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1996
ANNUAL WEED CONTROL RESEARCH REPORT

UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN, IL

INTRODUCTION

This report is a summary of herbicide evaluation studies conducted at the University of Illinois Department of Crop Sciences Weed Science program in 1996. These studies represent a cooperative effort by the University of Illinois and USDA / Agricultural Research Service personnel. The purpose of this report is to inform our colleagues at other universities, our cooperators in industry, and other interested persons of the results of our 1996 field research. The information within does not constitute a recommendation or endorsement of any product or rate. Current recommendations for weed control in field crops are available from the University of Illinois Cooperative Extension Service.

Weed control and crop injury ratings are based on a 0 to 99 scale with 99 equal to complete kill. Plant species are reported as a five-letter Bayer code. Herbicides are referred to by their trade name or experimental number. A list of weed species and herbicides used in these studies can be found in the appendix. A list containing the abbreviated codes used and their meanings appears in appendix F. Rates given as active ingredient or acid equivalent where applicable.

Fast finish field cultivator with basket tines at two passes was used for all preplant incorporated (PPI) treatments.

In preparing individual studies we tried to be as complete as possible, however, certain omissions do occur. In addition, despite careful proofing, certain errors in text entry and compilation may exist. If you believe that you have found an error, need further assistance, or have suggestions, please contact Doug Maxwell, Steve Hart, or Loyd Wax.

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UNIVERSITY OF ILLINOIS AGRICULTURAL EXPERIMENT STATION
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SANDOZ CROP PROTECTION CORPORATION
TERRA INTERNATIONAL, INC.
UNITED AGRI PRODUCTS
UNITED SUPPLIERS
VALENT CHEMICAL COMPANY
WILBUR-ELLIS COMPANY
ZENECA CHEMICAL COMPANY

WEED CONTROL SYSTEMS IN NO-TILL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 24 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	09	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-08-96	05-22-96	06-14-96	MDY
AIR TEMPERATURE	42	81	84	½F
% REL.HUMIDITY	35	50	70	
WIND DIRECTION	NORTH	NA/NONE	WEST	
WIND SPEED	3.0	0.0	2.0	M/H
SKY CONDITION	OVERCAST	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/NA	HGH/12	
PIONEER 3335	****/****	****/****	5.00/5.00	IN
05-22-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/1.00	IN
JIMSONWEED	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN

*** TIMING CODES**
04 = VEPP 30 DBP
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D, and 0.5% NIS on 5-22-96

TRIAL # US 103/96/01 001 01 - CRNNOT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-15-96	SETFA CON % 07-15-96	ABUTH CON % 07-15-96	CHEAL CON % 07-15-96	POLPY CON % 07-15-96	DATST CON % 07-15-96
1A	£BICEP II	4.13	LAA	4	2	78	87	99	99	99
2A	SURPASS 100 (5SC)	3.5	LAA	4	0	53	62	99	99	99
3A	£HARNESS EXTRA 5.6	3.64	LAA	4	2	68	73	99	98	99
4A	GUARDSMAN (5SE)	3.13	LAA	4	3	60	50	99	99	99
5A	EXTRAZINE II DF (90WG)	4.5	LAA	4	3	50	63	89	99	99
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	TOPNOTCH (3.2CS)	2.00	LAA	4	2	62	67	99	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	4						
8A	TOPNOTCH (3.2CS)	2.4	LAA	4	2	75	75	99	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	4						
9A	£ICIA5676/ATRAZ.4SC	3.3	LAA	4	2	58	68	99	99	99
10A	£ICIA5676/ATRAZ.4SC	3.6	LAA	4	2	55	75	99	99	99
11A	£ICIA5676/ATRAZ.4SC	4.00	LAA	4	2	75	78	99	99	99
12A	£AXIOM	0.98	LAA	4	2	88	83	99	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	4						
13A	£AXIOM	0.98	LAA	4	0	96	99	99	99	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
14A	DUAL II (7.8EC)	2.5	LAA	4	7	95	96	99	99	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
15A	DUAL II (7.8EC)	2.5	LAA	4	2	96	91	99	98	99
B	SENCOR DF (75WG)	0.188	LAA	4						
C	MARKSMAN (3.2SC)	1.4	LAA	11						
16A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	2	57	96	99	99	99
B	ATRAZINE 90DF (WG)	1.25	LAA	4						
17A	TOPNOTCH (3.2CS)	2.4	LAA	4	0	58	99	99	99	88
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	4						
18A	SURPASS 100 (5SC)	3.5	LAA	4	2	67	99	99	99	99
B	BROADSTRIKE PLUS CORN PRE/PPI	0.17	LAA	4						
19A	£BICEP II	3.69	LAA	9	7	98	99	99	99	99
20A	SURPASS 100 (5SC)	3.13	LAA	9	7	82	78	99	91	99
21A	£HARNESS EXTRA 5.6	3.36	LAA	9	3	90	90	99	99	99
22A	GUARDSMAN (5SE)	2.8	LAA	9	7	98	94	99	99	99
23A	EXTRAZINE II DF (90WG)	4.00	LAA	9	5	90	90	99	99	99
24A	TOPNOTCH (3.2CS)	2.00	LAA	9	5	98	98	99	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	9						
25A	£ICIA5676/ATRAZ.4SC	3.00	LAA	9	3	91	85	99	99	99
26A	£ICIA5676/ATRAZ.4SC	3.3	LAA	9	3	93	93	99	99	99
27A	£AXIOM	0.94	LAA	9	0	96	99	99	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	9						
28A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	7	98	99	99	99	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
29A	TOPNOTCH (3.2CS)	2.00	LAA	9	2	88	99	99	99	99
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
30A	SURPASS 100 (5SC)	3.13	LAA	9	7	96	99	99	99	99
B	BROADSTRIKE PLUS CORN PRE/PPI	0.17	LAA	9						
	LSD (0.05)				4.0	16.4	9.7	5.0	2.3	2.3
	STANDARD DEVIATION				3.1	23.4	21.0	18.0	17.8	17.8

TRIAL # US 103/96/01 001 01 - CRNNOT1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-29-96	SETFA CON % 07-29-96	ABUTH CON % 07-29-96	CHEAL CON % 07-29-96	POLPY CON % 07-29-96	DATST CON % 07-29-96
1A£BICEP II	4.13	LAA	4	0	77	85	99	99	99
2A SURPASS 100 (5SC)	3.5	LAA	4	0	57	62	99	99	99
3A£HARNESS EXTRA 5.6	3.64	LAA	4	0	63	72	99	99	99
4A GUARDSMAN (5SE)	3.13	LAA	4	0	58	53	99	99	99
5A EXTRAZINE II DF (90WG)	4.5	LAA	4	3	52	83	99	99	99
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A TOPNOTCH (3.2CS)	2.00	LAA	4	0	67	60	99	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	4						
8A TOPNOTCH (3.2CS)	2.4	LAA	4	0	65	65	99	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	4						
9A£ICIA5676/ATRAZ.4SC	3.3	LAA	4	0	55	63	99	98	99
10A£ICIA5676/ATRAZ.4SC	3.6	LAA	4	2	37	62	99	93	99
11A£ICIA5676/ATRAZ.4SC	4.00	LAA	4	0	68	72	99	99	99
12A£AXIOM	0.98	LAA	4	0	80	70	99	98	99
B ATRAZINE 90DF (WG)	1.5	LAA	4						
13A£AXIOM	0.98	LAA	4	0	91	96	99	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
14A DUAL II (7.8EC)	2.5	LAA	4	0	91	90	99	98	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
15A DUAL II (7.8EC)	2.5	LAA	4	0	93	90	99	98	99
B SENCOR DF (75WG)	0.188	LAA	4						
C MARKSMAN (3.2SC)	1.4	LAA	11						
16A BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	2	77	98	99	99	99
B ATRAZINE 90DF (WG)	1.25	LAA	4						
17A TOPNOTCH (3.2CS)	2.4	LAA	4	0	58	91	99	99	98
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	4						
18A SURPASS 100 (5SC)	3.5	LAA	4	0	68	98	99	99	99
B BROADSTRIKE PLUS CORN PRE/PPI	0.17	LAA	4						
19A£BICEP II	3.69	LAA	9	0	97	92	99	99	99
20A SURPASS 100 (5SC)	3.13	LAA	9	3	68	67	93	91	99
21A£HARNESS EXTRA 5.6	3.36	LAA	9	0	83	78	99	99	99
22A GUARDSMAN (5SE)	2.8	LAA	9	0	91	86	99	99	99
23A EXTRAZINE II DF (90WG)	4.00	LAA	9	0	85	83	99	99	99
24A TOPNOTCH (3.2CS)	2.00	LAA	9	0	91	90	99	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	9						
25A£ICIA5676/ATRAZ.4SC	3.00	LAA	9	0	85	85	99	99	99
26A£ICIA5676/ATRAZ.4SC	3.3	LAA	9	0	77	82	99	99	99
27A£AXIOM	0.94	LAA	9	0	94	91	99	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	9						
28A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	98	98	99	99	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
29A TOPNOTCH (3.2CS)	2.00	LAA	9	2	78	98	99	99	99
B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
30A SURPASS 100 (5SC)	3.13	LAA	9	2	85	95	99	99	99
B BROADSTRIKE PLUS CORN PRE/PPI	0.17	LAA	9						
LSD (0.05)				2.7	19.4	14.3	3.3	5.5	0.7
STANDARD DEVIATION				1.7	23.0	20.9	17.8	17.9	17.8

EVALUATION OF SAN1412H FOR WEED CONTROL IN NO-TILL CORN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 24 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	04	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-08-96	06-14-96	MDY
AIR TEMPERATURE	42	83	½F
% REL.HUMIDITY	35	70	
WIND DIRECTION	NORTH	WEST	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/12	
PIONEER 3335	****/****	5.00/5.00	IN
05-22-96			
*** PEST ***			
LAMBSQUARTERS, C	HGH/NA	HGH/17	
	****/****	2.00/4.00	IN
SMARTWEED, PENNS	HGH/12	HGH/19	
	1.00/1.00	4.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN
CHICKWEED, COMMO	HGH/12	HGH/19	
	1.00/1.00	2.00/4.00	IN
DANDELION, COMMO	HGH/12	HGH/19	
	1.00/1.00	5.00/6.00	IN

*** TIMING CODES**
04 = VEPP 30 DBP
11 = EPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 105/96/01 001 01 - CSAN1412

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-04-96	STEME CON % 06-04-96	TAROF CON % 06-04-96	POLPY CON % 06-04-96	SETFA CON % 06-14-96	STEME CON % 06-14-96
1A	ROUNDUP (3SL)	0.188	LAA	4	90	99	78	90	68	99
B	£FRONTIER 6.0EC	1.48	LAA	4						
C	BANVEL (4SL)	0.25	LAA	4						
2A	ROUNDUP (3SL)	0.188	LAA	4	90	86	72	63	78	91
B	£FRONTIER 6.0EC	1.48	LAA	4						
C	BANVEL (4SL)	0.3	LAA	4						
3A	ROUNDUP (3SL)	0.188	LAA	4	88	96	70	73	78	99
B	£SAN1412 720EC	1.5	LAA	4						
C	BANVEL (4SL)	0.25	LAA	11						
4A	ROUNDUP (3SL)	0.188	LAA	4	93	99	85	80	82	99
B	£SAN1412 720EC	1.78	LAA	4						
C	BANVEL (4SL)	0.25	LAA	11						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
B	ROUNDUP (3SL)	0.188	LAA	4						
6A	ROUNDUP (3SL)	0.188	LAA	4	96	99	88	98	90	98
B	£SAN1412 720EC	3.56	LAA	4						
C	BANVEL (4SL)	0.25	LAA	11						
7A	ROUNDUP (3SL)	0.188	LAA	4	90	94	82	91	85	93
B	£SAN1412 720EC	1.78	LAA	4						
C	£2,4-D LVE	0.5	LAA	4						
D	BANVEL (4SL)	0.25	LAA	11						
8A	ROUNDUP (3SL)	0.188	LAA	4	90	83	70	85	82	82
B	£FRONTIER 6.0EC	1.48	LAA	4						
C	£2,4-D LVE	0.5	LAA	4						
D	BANVEL (4SL)	0.25	LAA	11						
9A	ROUNDUP (3SL)	0.188	LAA	4	90	99	82	99	80	99
B	GUARDSMAN (5SE)	2.8	LAA	4						
C	BANVEL (4SL)	0.25	LAA	11						
	LSD (0.05)				7.6	11.7	19.7	16.8	10.6	9.9
	STANDARD DEVIATION				28.9	30.7	26.9	29.8	26.6	30.7

TRIAL # US 105/96/01 001 01 - CSAN1412

TRT NUM	COMPOUND	DOSAGE RATE	UNIT	TM	TAROF CON % 06-14-96	POLPY CON % 06-14-96	SETFA CON % 07-19-96	POLPY CON % 07-19-96	CHEAL CON % 07-19-96
1A	ROUNDUP (3SL)	0.188	LAA	4	80	73	63	50	37
B£	FRONTIER 6.0EC	1.48	LAA	4					
C	BANVEL (4SL)	0.25	LAA	4					
2A	ROUNDUP (3SL)	0.188	LAA	4	75	62	55	43	37
B£	FRONTIER 6.0EC	1.48	LAA	4					
C	BANVEL (4SL)	0.3	LAA	4					
3A	ROUNDUP (3SL)	0.188	LAA	4	73	75	55	98	96
B£	SAN1412 720EC	1.5	LAA	4					
C	BANVEL (4SL)	0.25	LAA	11					
4A	ROUNDUP (3SL)	0.188	LAA	4	86	80	62	98	96
B£	SAN1412 720EC	1.78	LAA	4					
C	BANVEL (4SL)	0.25	LAA	11					
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
B	ROUNDUP (3SL)	0.188	LAA	4					
6A	ROUNDUP (3SL)	0.188	LAA	4	88	90	78	98	95
B£	SAN1412 720EC	3.56	LAA	4					
C	BANVEL (4SL)	0.25	LAA	11					
7A	ROUNDUP (3SL)	0.188	LAA	4	87	78	55	99	98
B£	SAN1412 720EC	1.78	LAA	4					
C£	2,4-D LVE	0.5	LAA	4					
D	BANVEL (4SL)	0.25	LAA	11					
8A	ROUNDUP (3SL)	0.188	LAA	4	75	77	43	98	91
B£	FRONTIER 6.0EC	1.48	LAA	4					
C£	2,4-D LVE	0.5	LAA	4					
D	BANVEL (4SL)	0.25	LAA	11					
9A	ROUNDUP (3SL)	0.188	LAA	4	87	99	60	99	99
B	GUARDSMAN (5SE)	2.8	LAA	4					
C	BANVEL (4SL)	0.25	LAA	11					
	LSD (0.05)				16.8	16.8	10.2	9.6	13.6
	STANDARD DEVIATION				27.3	28.0	22.1	34.4	35.7

£ = SUPPLEMENTAL CHEMICAL

DPX-79406 FOR WEED CONTROL IN NO-TILL CORN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 24 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	06	09	10	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-22-96	06-12-96	MDY
AIR TEMPERATURE	52	83	73	½F
% REL.HUMIDITY	85	50	75	
WIND DIRECTION	NORTHEAST	NA/NONE	NA/NONE	
WIND SPEED	3.0	0.0	0.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/00	HGH/00	HGH/11	
PIONEER 3335	****/****	****/****	4.00/4.00	IN
05-22-96				
*** PEST ***				
LAMBSQUARTERS, C	HGH/12	HGH/14	HGH/16	
	0.50/1.00	1.00/1.00	2.00/2.00	IN
SMARTWEED, PENNS	HGH/11	HGH/12	HGH/14	
	1.00/1.00	2.00/2.00	3.00/4.00	IN
FOXTAIL, GIANT	HGH/11	HGH/12	HGH/13	
	1.00/1.00	2.00/2.00	4.00/4.00	IN
CHICKWEED, COMMO	HGH/11	HGH/13	HGH/15	
	1.00/1.00	2.00/2.00	3.00/3.00	IN
DANDELION, COMMO	HGH/16	HGH/18	HGH/19	
	2.00/2.00	3.00/4.00	4.00/6.00	IN

*** TIMING CODES**

06 = VEPP 7 DBP
09 = PREEMERGENCE

APPLICATIONS

* TIMING CODES
10 = VEPOST

* STAGE CODE
00 = DRY SEED (DORMANT)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 106/96/01 001 01 - CD79406

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-05-96	SETFA CON % 06-05-96	CHEAL CON % 06-05-96	STEME CON % 06-05-96	TAROF CON % 06-05-96	POLPY CON % 06-05-96
1A ROUNDUP (3SL)	0.38	LAA	6	0	82	97	99	99	89
B£2,4-D LVE	0.5	LAA	6						
C£ACTIVATE PLUS	0.5	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
2A£2,4-D LVE	0.5	LAA	6	0	95	99	90	86	90
B£ACTIVATE PLUS	0.25	PMV	6						
C£DPX-79406 75DF	0.023	LAA	10						
D ATRAZINE 90DF (WG)	0.75	LAA	10						
E£COC	1.00	PMV	10						
F FERTILIZER - 28%UAN	2.5	PMV	10						
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A BANVEL (4SL)	0.125	LAA	6	0	92	99	80	94	98
B£2,4-D LVE	0.125	LAA	6						
C£ACTIVATE PLUS	0.25	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
5A£2,4-D LVE	0.5	LAA	6	0	93	99	90	98	93
B ATRAZINE 90DF (WG)	0.5	LAA	6						
C£COC	1.00	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
6A ROUNDUP (3SL)	0.25	LAA	6	0	92	99	99	98	91
B£2,4-D LVE	0.25	LAA	6						
C£ACTIVATE PLUS	0.25	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
7A£DPX-79406 75DF	0.023	LAA	9	2	99	99	99	92	98
B ATRAZINE 90DF (WG)	0.75	LAA	9						
C£COC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
8A£DPX-79406 75DF	0.023	LAA	9	0	99	99	99	87	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
C£COC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
9A£DPX-79406 75DF	0.023	LAA	9	0	98	99	99	97	99
B ATRAZINE 90DF (WG)	0.75	LAA	9						
C£2,4-D LVE	1.00	LAA	9						
D£COC	2.00	PMV	9						
E£28% CARRIER	0.00	PMV	9						
10A£BICEP II	4.13	LAA	6	0	99	99	99	98	99
B ROUNDUP (3SL)	0.38	LAA	6						
C£ACTIVATE PLUS	0.5	PMV	6						
LSD (0.05)				1.6	7.4	1.1	8.1	9.2	7.9
STANDARD DEVIATION				0.9	28.9	29.6	29.4	29.0	29.1

TRIAL # US 106/96/01 001 01 - CD79406

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-21-96	SETFA CON % 06-21-96	CHEAL CON % 06-21-96	STEME CON % 06-21-96	TAROF CON % 06-21-96	POLPY CON % 06-21-96
1A ROUNDUP (3SL)	0.38	LAA	6	5	80	99	99	99	99
B£2,4-D LVE	0.5	LAA	6						
C£ACTIVATE PLUS	0.5	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
2A£2,4-D LVE	0.5	LAA	6	5	92	99	95	95	99
B£ACTIVATE PLUS	0.25	PMV	6						
C£DPX-79406 75DF	0.023	LAA	10						
D ATRAZINE 90DF (WG)	0.75	LAA	10						
E£COC	1.00	PMV	10						
F FERTILIZER - 28%UAN	2.5	PMV	10						
3A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A BANVEL (4SL)	0.125	LAA	6	5	80	99	99	88	99
B£2,4-D LVE	0.125	LAA	6						
C£ACTIVATE PLUS	0.25	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
5A£2,4-D LVE	0.5	LAA	6	5	90	98	99	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	6						
C£COC	1.00	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
6A ROUNDUP (3SL)	0.25	LAA	6	5	86	99	99	93	99
B£2,4-D LVE	0.25	LAA	6						
C£ACTIVATE PLUS	0.25	PMV	6						
D£DPX-79406 75DF	0.023	LAA	10						
E ATRAZINE 90DF (WG)	0.75	LAA	10						
F£COC	1.00	PMV	10						
G FERTILIZER - 28%UAN	2.5	PMV	10						
7A£DPX-79406 75DF	0.023	LAA	9	5	93	82	99	96	95
B ATRAZINE 90DF (WG)	0.75	LAA	9						
C£COC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
8A£DPX-79406 75DF	0.023	LAA	9	7	98	98	99	93	99
B ATRAZINE 90DF (WG)	1.25	LAA	9						
C£COC	1.00	PMV	9						
D FERTILIZER - 28%UAN	2.5	PMV	9						
9A£DPX-79406 75DF	0.023	LAA	9	5	90	99	99	95	95
B ATRAZINE 90DF (WG)	0.75	LAA	9						
C£2,4-D LVE	1.00	LAA	9						
D£COC	2.00	PMV	9						
E£28% CARRIER	0.00	PMV	9						
10A£BICEP II	4.13	LAA	6	5	99	99	99	91	99
B ROUNDUP (3SL)	0.38	LAA	6						
C£ACTIVATE PLUS	0.5	PMV	6						
LSD (0.05)				1.6	11.0	7.4	2.4	6.7	3.4
STANDARD DEVIATION				1.8	28.2	29.7	29.6	28.7	29.5

TRIAL # US 106/96/01 001 01 - CD79406

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-12-96	SETFA CON % 07-12-96	CHEAL CON % 07-12-96	STEME CON % 07-12-96	TAROF CON % 07-12-96	POLPY CON % 07-12-96
1A	ROUNDUP (3SL)	0.38	LAA	6	8	83	99	99	98	98
B	£2,4-D LVE	0.5	LAA	6						
C	£ACTIVATE PLUS	0.5	PMV	6						
D	£DPX-79406 75DF	0.023	LAA	10						
E	ATRAZINE 90DF (WG)	0.75	LAA	10						
F	£COC	1.00	PMV	10						
G	FERTILIZER - 28%UAN	2.5	PMV	10						
2A	£2,4-D LVE	0.5	LAA	6	8	87	99	99	95	99
B	£ACTIVATE PLUS	0.25	PMV	6						
C	£DPX-79406 75DF	0.023	LAA	10						
D	ATRAZINE 90DF (WG)	0.75	LAA	10						
E	£COC	1.00	PMV	10						
F	FERTILIZER - 28%UAN	2.5	PMV	10						
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A	BANVEL (4SL)	0.125	LAA	6	7	83	99	99	97	99
B	£2,4-D LVE	0.125	LAA	6						
C	£ACTIVATE PLUS	0.25	PMV	6						
D	£DPX-79406 75DF	0.023	LAA	10						
E	ATRAZINE 90DF (WG)	0.75	LAA	10						
F	£COC	1.00	PMV	10						
G	FERTILIZER - 28%UAN	2.5	PMV	10						
5A	£2,4-D LVE	0.5	LAA	6	5	78	99	99	98	96
B	ATRAZINE 90DF (WG)	0.5	LAA	6						
C	£COC	1.00	PMV	6						
D	£DPX-79406 75DF	0.023	LAA	10						
E	ATRAZINE 90DF (WG)	0.75	LAA	10						
F	£COC	1.00	PMV	10						
G	FERTILIZER - 28%UAN	2.5	PMV	10						
6A	ROUNDUP (3SL)	0.25	LAA	6	8	87	99	99	95	99
B	£2,4-D LVE	0.25	LAA	6						
C	£ACTIVATE PLUS	0.25	PMV	6						
D	£DPX-79406 75DF	0.023	LAA	10						
E	ATRAZINE 90DF (WG)	0.75	LAA	10						
F	£COC	1.00	PMV	10						
G	FERTILIZER - 28%UAN	2.5	PMV	10						
7A	£DPX-79406 75DF	0.023	LAA	9	10	75	70	99	88	83
B	ATRAZINE 90DF (WG)	0.75	LAA	9						
C	£COC	1.00	PMV	9						
D	FERTILIZER - 28%UAN	2.5	PMV	9						
8A	£DPX-79406 75DF	0.023	LAA	9	15	82	99	99	85	96
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
C	£COC	1.00	PMV	9						
D	FERTILIZER - 28%UAN	2.5	PMV	9						
9A	£DPX-79406 75DF	0.023	LAA	9	10	60	96	99	90	88
B	ATRAZINE 90DF (WG)	0.75	LAA	9						
C	£2,4-D LVE	1.00	LAA	9						
D	£COC	2.00	PMV	9						
E	£28% CARRIER	0.00	PMV	9						
10A	£BICEP II	4.13	LAA	6	5	98	99	99	95	99
B	ROUNDUP (3SL)	0.38	LAA	6						
C	£ACTIVATE PLUS	0.5	PMV	6						
	LSD (0.05)				7.1	9.5	5.9	0.0	9.1	10.3
	STANDARD DEVIATION				5.0	26.5	30.0	29.7	28.6	29.4

£ = SUPPLEMENTAL CHEMICAL

EARLY PREPLANT CHLOROACETAMIDE EFFICACY EVALUATION
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	02	03	04	05	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	03-11-96	03-26-96	03-09-96	04-24-96	05-28-96	MDY
AIR TEMPERATURE	40	22	44	46	67	½F
% REL.HUMIDITY	42	30	36	81	97	
WIND DIRECTION	NORTH	NORTHWEST	NORTHEAST	SOUTH	SOUTH	
WIND SPEED	8.0	10.0	5.0	10.0	8.0	M/H
SKY CONDITION	CLEAR	OVERCAST	CLEAR	CLOUDY	CLOUDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
CORN, DENT PIONEER 3335 05-22-96	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN
*** PEST ***						
FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	06	UNIT
TIMINGS	10	
TYPE	LIQMXSPR	
APPLICATION DATE	06-12-96	MDY
AIR TEMPERATURE	78	½F
% REL.HUMIDITY	57	
WIND DIRECTION	NORTH	
WIND SPEED	5.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/11	
PIONEER 3335	2.00/2.00	IN
05-22-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN

*** TIMING CODES**

02 = VEPP 60 DBP
03 = VEPP 45 DBP
04 = VEPP 30 DBP
05 = VEPP 15 DBP
09 = PREEMERGENCE
10 = VEPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D, and 0.5% NIS on 5-22-96
Blanket application Dicamba 6-14-96

TRIAL # US 101/96/01 001 01 - CVEPNOT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-22-96	SETFA CON % 06-22-96	ZEAMD CON % 07-22-96	SETFA CON % 07-22-96	ZEAMD CON % 08-30-96	SETFA CON % 08-30-96
1A	£DUAL II MAGNUM 915GL	1.9	LAA	2	2	90	7	88	0	92
2A	DUAL II (7.8EC)	3.00	LAA	2	2	94	7	95	0	96
3A	£FRONTIER 6.0EC	1.46	LAA	2	2	78	8	77	0	73
4A	£TOPNOTCH	2.4	LAA	2	3	63	7	72	0	67
5A	£AXIOM	1.02	LAA	2	0	96	5	95	0	89
6A	UNTREATED CHECK	0.00	NA	10	0	0	0	0	0	0
7A	£DUAL II MAGNUM 915GL	1.9	LAA	3	2	94	5	88	0	90
8A	DUAL II (7.8EC)	3.00	LAA	3	3	99	5	98	0	98
9A	£FRONTIER 6.0EC	1.46	LAA	3	2	91	7	85	0	83
10A	£TOPNOTCH	2.4	LAA	3	2	87	5	85	0	83
11A	£AXIOM	1.02	LAA	3	3	97	5	98	0	95
12A	£DUAL II MAGNUM 915GL	1.9	LAA	4	5	80	7	94	0	93
13A	DUAL II (7.8EC)	3.00	LAA	4	3	98	5	91	0	93
14A	£FRONTIER 6.0EC	1.46	LAA	4	3	77	8	77	0	72
15A	£TOPNOTCH	2.4	LAA	4	2	78	10	78	0	75
16A	£AXIOM	1.02	LAA	4	2	97	5	99	0	97
17A	£DUAL II MAGNUM 915GL	1.9	LAA	5	2	95	5	98	0	99
18A	DUAL II (7.8EC)	3.00	LAA	5	3	98	7	98	0	98
19A	£FRONTIER 6.0EC	1.46	LAA	5	2	98	7	98	0	94
20A	£TOPNOTCH	2.4	LAA	5	2	93	7	96	0	93
21A	£AXIOM	1.02	LAA	5	5	95	5	98	0	95
22A	£DUAL II MAGNUM 915GL	1.9	LAA	9	3	96	5	98	0	96
23A	DUAL II (7.8EC)	3.00	LAA	9	2	92	5	95	0	95
24A	£FRONTIER 6.0EC	1.46	LAA	9	0	98	5	99	0	93
25A	£TOPNOTCH	2.4	LAA	9	0	98	5	91	0	93
26A	£AXIOM	1.02	LAA	9	2	93	5	92	0	91
27A	£FRONTIER 6.0EC	1.46	LAA	10	2	96	5	98	0	93
	B ACCENT (75WG)	0.016	LAA	10						
	C£ACTIVATE PLUS	0.25	PMV	10						
28A	£HAND WEEDED	0.00	NA	0	0	99	0	99	0	99
	LSD (0.05)				3.9	8.4	2.7	8.4	0.0	5.8
	STANDARD DEVIATION				2.8	19.5	2.4	19.2	0.0	19.0

TRIAL # US 101/96/01 001 01 - CVEPNOT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-21-96
1	A£DUAL II MAGNUM 915GL	1.9	LAA	2	145.3
2	A DUAL II (7.8EC)	3.00	LAA	2	145.6
3	A£FRONTIER 6.0EC	1.46	LAA	2	130.3
4	A£TOPNOTCH	2.4	LAA	2	137.3
5	A£AXIOM	1.02	LAA	2	140.4
6	A UNTREATED CHECK	0.00	NA	10	123.4
7	A£DUAL II MAGNUM 915GL	1.9	LAA	3	151.1
8	A DUAL II (7.8EC)	3.00	LAA	3	150.8
9	A£FRONTIER 6.0EC	1.46	LAA	3	132.1
10	A£TOPNOTCH	2.4	LAA	3	149.3
11	A£AXIOM	1.02	LAA	3	149.4
12	A£DUAL II MAGNUM 915GL	1.9	LAA	4	135.2
13	A DUAL II (7.8EC)	3.00	LAA	4	156.3
14	A£FRONTIER 6.0EC	1.46	LAA	4	131.2
15	A£TOPNOTCH	2.4	LAA	4	148.5
16	A£AXIOM	1.02	LAA	4	143.9
17	A£DUAL II MAGNUM 915GL	1.9	LAA	5	143.0
18	A DUAL II (7.8EC)	3.00	LAA	5	146.5
19	A£FRONTIER 6.0EC	1.46	LAA	5	141.9
20	A£TOPNOTCH	2.4	LAA	5	135.2
21	A£AXIOM	1.02	LAA	5	150.8
22	A£DUAL II MAGNUM 915GL	1.9	LAA	9	155.5
23	A DUAL II (7.8EC)	3.00	LAA	9	155.1
24	A£FRONTIER 6.0EC	1.46	LAA	9	155.5
25	A£TOPNOTCH	2.4	LAA	9	140.4
26	A£AXIOM	1.02	LAA	9	151.1
27	A£FRONTIER 6.0EC	1.46	LAA	10	144.2
	B ACCENT (75WG)	0.016	LAA	10	
	C£ACTIVATE PLUS	0.25	PMV	10	
28	A£HAND WEEDED	0.00	NA	0	139.3
			LSD (0.05)		27.7
			STANDARD DEVIATION		16.4

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXP31130A WEED CONTROL IN NO-TILL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	05	09	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-25-96	05-22-96	MDY
AIR TEMPERATURE	62	81	½F
% REL.HUMIDITY	70	50	
WIND DIRECTION	SOUTH	NA/NONE	
WIND SPEED	12.0	0.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/NA	
PIONEER 3335	****/****	****/****	IN
05-22-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/NA	
	****/****	****/****	IN
PIGWEED, SMOOTH	HGH/NA	HGH/NA	
	****/****	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	
	****/****	****/****	IN
JIMSONWEED	HGH/NA	HGH/NA	
	****/****	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	
	****/****	****/****	IN

*** TIMING CODES**
05 = VEPP 15 DBP
09 = PREEMERGENCE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D, and 0.5% NIS 5-22-96

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-20-96	SETFA CON % 06-20-96	CHEAL CON % 06-20-96	AMACH CON % 06-20-96	ABUTH CON % 06-20-96	DATST CON % 06-20-96
1A	£EXP31130A	0.094	LAA	5	0	28	93	68	80	83
2A	£EXP31130A	0.14	LAA	5	0	65	98	86	90	93
3A	£EXP31130A	0.094	LAA	5	0	90	99	93	88	93
	B TOPNOTCH (3.2CS)	1.00	LAA	5						
4A	£EXP31130A	0.14	LAA	5	0	90	99	98	85	91
	B TOPNOTCH (3.2CS)	1.00	LAA	5						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	£EXP31130A	0.094	LAA	5	0	87	98	98	88	99
	B TOPNOTCH (3.2CS)	1.5	LAA	5						
7A	£EXP31130A	0.094	LAA	5	0	80	99	99	88	98
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C TOPNOTCH (3.2CS)	1.00	LAA	5						
8A	£EXP31130A	0.094	LAA	5	3	92	99	82	87	90
	B DUAL II (7.8EC)	1.25	LAA	5						
9A	£EXP31130A	0.14	LAA	5	2	93	89	90	87	93
	B DUAL II (7.8EC)	1.25	LAA	5						
10A	£EXP31130A	0.094	LAA	5	2	90	96	95	88	99
	B DUAL II (7.8EC)	1.875	LAA	5						
11A	£EXP31130A	0.094	LAA	5	0	95	99	98	88	99
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C DUAL II (7.8EC)	1.00	LAA	5						
12A	£EXP31130A	0.094	LAA	5	3	75	99	93	88	98
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
13A	£EXP31130A	0.094	LAA	5	0	88	99	98	92	98
	B ATRAZINE 90DF (WG)	2.00	LAA	5						
14A	DUAL II (7.8EC)	2.00	LAA	5	0	95	99	99	78	99
	B ATRAZINE 90DF (WG)	2.00	LAA	5						
15A	£BICEP II	4.13	LAA	5	2	96	99	99	85	99
16A	£EXP31130A	0.094	LAA	9	0	95	99	98	93	99
17A	£EXP31130A	0.118	LAA	9	3	95	98	99	95	98
18A	£EXP31130A	0.094	LAA	9	2	95	96	99	92	99
	B TOPNOTCH (3.2CS)	1.00	LAA	9						
19A	£EXP31130A	0.118	LAA	9	3	96	99	99	95	99
	B TOPNOTCH (3.2CS)	1.00	LAA	9						
20A	£EXP31130A	0.094	LAA	9	5	96	99	99	95	99
	B TOPNOTCH (3.2CS)	1.5	LAA	9						
21A	£EXP31130A	0.094	LAA	9	2	98	99	99	93	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9						
	C TOPNOTCH (3.2CS)	1.00	LAA	9						
22A	£EXP31130A	0.094	LAA	9	2	98	99	98	88	99
	B DUAL II (7.8EC)	1.25	LAA	9						
23A	£EXP31130A	0.118	LAA	9	0	98	99	99	96	99
	B DUAL II (7.8EC)	1.25	LAA	9						
24A	£EXP31130A	0.094	LAA	9	0	98	98	99	94	99
	B DUAL II (7.8EC)	1.875	LAA	9						
25A	£EXP31130A	0.094	LAA	9	3	96	99	99	93	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9						
	C DUAL II (7.8EC)	1.00	LAA	9						
26A	£EXP31130A	0.094	LAA	9	5	96	99	99	92	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9						

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-20-96	SETFA CON % 06-20-96	CHEAL CON % 06-20-96	AMACH CON % 06-20-96	ABUTH CON % 06-20-96	DATST CON % 06-20-96
27A£	EXP31130A	0.094	LAA	9	5	93	99	99	96	99
B	ATRAZINE 90DF (WG)	2.00	LAA	9						
28A	DUAL II (7.8EC)	2.00	LAA	9	2	92	99	99	93	99
B	ATRAZINE 90DF (WG)	2.00	LAA	9						
29A£	BICEP II	4.13	LAA	9	0	95	99	99	95	99
30A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				3.9	10.8	5.9	8.2	8.2	5.9
	STANDARD DEVIATION				2.6	21.7	18.0	18.8	17.4	18.0

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-19-96	SETFA CON % 07-19-96	CHEAL CON % 07-19-96	AMACH CON % 07-19-96	ABUTH CON % 07-19-96	DATST CON % 07-19-96
1A	£EXP31130A	0.094	LAA	5	0	30	98	78	90	93
2A	£EXP31130A	0.14	LAA	5	0	38	99	91	93	93
3A	£EXP31130A	0.094	LAA	5	0	68	98	93	87	93
B	TOPNOTCH (3.2CS)	1.00	LAA	5						
4A	£EXP31130A	0.14	LAA	5	0	82	99	95	87	90
B	TOPNOTCH (3.2CS)	1.00	LAA	5						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	£EXP31130A	0.094	LAA	5	0	83	99	96	87	99
B	TOPNOTCH (3.2CS)	1.5	LAA	5						
7A	£EXP31130A	0.094	LAA	5	0	73	99	99	92	98
B	ATRAZINE 90DF (WG)	1.25	LAA	5						
C	TOPNOTCH (3.2CS)	1.00	LAA	5						
8A	£EXP31130A	0.094	LAA	5	0	80	98	78	78	91
B	DUAL II (7.8EC)	1.25	LAA	5						
9A	£EXP31130A	0.14	LAA	5	0	92	93	93	83	95
B	DUAL II (7.8EC)	1.25	LAA	5						
10A	£EXP31130A	0.094	LAA	5	0	92	98	91	86	96
B	DUAL II (7.8EC)	1.875	LAA	5						
11A	£EXP31130A	0.094	LAA	5	0	92	99	99	87	98
B	ATRAZINE 90DF (WG)	1.25	LAA	5						
C	DUAL II (7.8EC)	1.00	LAA	5						
12A	£EXP31130A	0.094	LAA	5	0	75	99	90	82	99
B	ATRAZINE 90DF (WG)	1.25	LAA	5						
13A	£EXP31130A	0.094	LAA	5	0	83	99	99	88	99
B	ATRAZINE 90DF (WG)	2.00	LAA	5						
14A	DUAL II (7.8EC)	2.00	LAA	5	0	92	99	99	80	99
B	ATRAZINE 90DF (WG)	2.00	LAA	5						
15A	£BICEP II	4.13	LAA	5	0	90	99	99	78	99
16A	£EXP31130A	0.094	LAA	9	0	85	98	99	92	96
17A	£EXP31130A	0.118	LAA	9	0	80	98	98	91	99
18A	£EXP31130A	0.094	LAA	9	0	80	99	95	85	99
B	TOPNOTCH (3.2CS)	1.00	LAA	9						
19A	£EXP31130A	0.118	LAA	9	0	85	99	98	90	99
B	TOPNOTCH (3.2CS)	1.00	LAA	9						
20A	£EXP31130A	0.094	LAA	9	0	85	99	99	91	99
B	TOPNOTCH (3.2CS)	1.5	LAA	9						
21A	£EXP31130A	0.094	LAA	9	0	93	99	99	92	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
C	TOPNOTCH (3.2CS)	1.00	LAA	9						
22A	£EXP31130A	0.094	LAA	9	0	92	98	90	80	99
B	DUAL II (7.8EC)	1.25	LAA	9						
23A	£EXP31130A	0.118	LAA	9	0	93	99	99	83	98
B	DUAL II (7.8EC)	1.25	LAA	9						
24A	£EXP31130A	0.094	LAA	9	0	95	96	98	87	99
B	DUAL II (7.8EC)	1.875	LAA	9						
25A	£EXP31130A	0.094	LAA	9	0	93	99	99	88	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
C	DUAL II (7.8EC)	1.00	LAA	9						
26A	£EXP31130A	0.094	LAA	9	0	85	98	99	90	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-19-96	SETFA CON % 07-19-96	CHEAL CON % 07-19-96	AMACH CON % 07-19-96	ABUTH CON % 07-19-96	DATST CON % 07-19-96
27A£	EXP31130A	0.094	LAA	9	0	87	99	99	98	99
B	ATRAZINE 90DF (WG)	2.00	LAA	9						
28A	DUAL II (7.8EC)	2.00	LAA	9	0	93	99	99	92	99
B	ATRAZINE 90DF (WG)	2.00	LAA	9						
29A£	BICEP II	4.13	LAA	9	0	92	99	99	90	99
30A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
		LSD (0.05)			0.0	8.7	2.9	7.4	10.3	4.9
		STANDARD DEVIATION			0.0	21.5	17.8	18.4	17.4	17.8

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-21-96
1	A£EXP31130A	0.094	LAA	5	61.5
2	A£EXP31130A	0.14	LAA	5	89.3
3	A£EXP31130A	0.094	LAA	5	81.5
	B TOPNOTCH (3.2CS)	1.00	LAA	5	
4	A£EXP31130A	0.14	LAA	5	112.7
	B TOPNOTCH (3.2CS)	1.00	LAA	5	
5	A UNTREATED CHECK	0.00	NA	0	58.9
6	A£EXP31130A	0.094	LAA	5	117.0
	B TOPNOTCH (3.2CS)	1.5	LAA	5	
7	A£EXP31130A	0.094	LAA	5	80.9
	B ATRAZINE 90DF (WG)	1.25	LAA	5	
	C TOPNOTCH (3.2CS)	1.00	LAA	5	
8	A£EXP31130A	0.094	LAA	5	104.0
	B DUAL II (7.8EC)	1.25	LAA	5	
9	A£EXP31130A	0.14	LAA	5	115.3
	B DUAL II (7.8EC)	1.25	LAA	5	
10	A£EXP31130A	0.094	LAA	5	110.9
	B DUAL II (7.8EC)	1.875	LAA	5	
11	A£EXP31130A	0.094	LAA	5	117.9
	B ATRAZINE 90DF (WG)	1.25	LAA	5	
	C DUAL II (7.8EC)	1.00	LAA	5	
12	A£EXP31130A	0.094	LAA	5	105.7
	B ATRAZINE 90DF (WG)	1.25	LAA	5	
13	A£EXP31130A	0.094	LAA	5	117.9
	B ATRAZINE 90DF (WG)	2.00	LAA	5	
14	A DUAL II (7.8EC)	2.00	LAA	5	135.2
	B ATRAZINE 90DF (WG)	2.00	LAA	5	
15	A£BICEP II	4.13	LAA	5	123.0
16	A£EXP31130A	0.094	LAA	9	138.7
17	A£EXP31130A	0.118	LAA	9	140.9
18	A£EXP31130A	0.094	LAA	9	117.0
	B TOPNOTCH (3.2CS)	1.00	LAA	9	
19	A£EXP31130A	0.118	LAA	9	149.9
	B TOPNOTCH (3.2CS)	1.00	LAA	9	
20	A£EXP31130A	0.094	LAA	9	127.4
	B TOPNOTCH (3.2CS)	1.5	LAA	9	
21	A£EXP31130A	0.094	LAA	9	119.6
	B ATRAZINE 90DF (WG)	1.25	LAA	9	
	C TOPNOTCH (3.2CS)	1.00	LAA	9	
22	A£EXP31130A	0.094	LAA	9	137.8
	B DUAL II (7.8EC)	1.25	LAA	9	
23	A£EXP31130A	0.118	LAA	9	136.9
	B DUAL II (7.8EC)	1.25	LAA	9	
24	A£EXP31130A	0.094	LAA	9	129.1
	B DUAL II (7.8EC)	1.875	LAA	9	
25	A£EXP31130A	0.094	LAA	9	128.3
	B ATRAZINE 90DF (WG)	1.25	LAA	9	
	C DUAL II (7.8EC)	1.00	LAA	9	
26	A£EXP31130A	0.094	LAA	9	130.0
	B ATRAZINE 90DF (WG)	1.25	LAA	9	

TRIAL # US 107/96/01 001 01 - C31130A

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-21-96
27A£	EXP31130A	0.094	LAA	9	114.9
	B ATRAZINE 90DF (WG)	2.00	LAA	9	
28A	DUAL II (7.8EC)	2.00	LAA	9	121.8
	B ATRAZINE 90DF (WG)	2.00	LAA	9	
29A£	BICEP II	4.13	LAA	9	130.9
30A£	HAND WEEDED	0.00	NA	0	151.7
		LSD (0.05)			51.3
		STANDARD DEVIATION			37.7

£ = SUPPLEMENTAL CHEMICAL

PREPLANT INCORPORATED HERBICIDES FOR WEED CONTROL IN CORN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	09	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-18-96	04-19-96	05-30-96	MDY
AIR TEMPERATURE	58	53	68	½F
% REL.HUMIDITY	50	90	50	
WIND DIRECTION	SOUTH	SOUTH	EAST	
WIND SPEED	8.0	3.0	5.0	M/H
SKY CONDITION	CLEAR	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE	04-18-96			MDY
INC. START	09:00			24H
INC. END	09:30			24H
INC. DEPTH	2			IN
INC. EQUIPMENT	CULTFIELD			
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/NA	HGH/12	
PIONEER 3335	****/****	****/****	4.00/5.00	IN
04-18-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	2.00/4.00	IN

*** CONTINUE

APPLICATIONS

	DENSITY /STAGE / MIN MAX SIZE			
*** PEST ***				
FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/12 2.00/3.00	IN

*** TIMING CODES**

07 = PREPLANT INCORPORATED
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 210/96/01 001 01 - CRNPPI1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-20-96	POLPY CON % 06-20-96	AMACH CON % 06-20-96	ABUTH CON % 06-20-96	PHBPU CON % 06-20-96	SETFA CON % 07-03-96
1A	DUAL II (7.8EC)	2.25	LAA	7	91	0	27	0	0	89
2A	DUAL II (7.8EC)	2.5	LAA	7	94	0	33	0	0	93
3A£	DUAL II MAGNUM 915GL	1.41	LAA	7	91	0	23	0	0	90
4A£	DUAL II MAGNUM 915GL	1.56	LAA	7	95	0	37	0	0	93
5A£	FRONTIER 6.0EC	1.29	LAA	7	90	0	50	27	0	86
6A	SURPASS (6.4EC)	1.8	LAA	7	88	0	77	57	0	84
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A£	AXIOM	0.81	LAA	7	83	23	27	0	0	80
9A£	AXIOM	0.98	LAA	7	87	37	37	0	0	87
10A	BICEP II (6SC)	4.05	LAA	7	89	92	99	85	72	88
11A	SURPASS 100 (5SC)	3.43	LAA	7	83	75	87	77	63	78
12A£	GUARDSMAN	2.81	LAA	7	90	83	93	87	70	85
13A	EXTRAZINE II DF (90WG)	4.5	LAA	7	83	92	95	94	80	72
14A£	HARNESS EXTRA 5.6	3.5	LAA	7	91	91	99	96	85	83
15A£	AXIOM	0.81	LAA	7	95	89	99	99	86	91
B	ATRAZINE 90DF (WG)	1.8	LAA	7						
16A£	AXIOM	0.81	LAA	7	82	80	83	85	40	73
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	7						
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	83	93	95	87	68	84
18A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	90	98	99	99	87	86
B	ATRAZINE 90DF (WG)	1.25	LAA	7						
19A£	DOUBLEPLAY	4.38	LAA	7	94	93	99	91	87	90
B	ATRAZINE 90DF (WG)	1.6	LAA	7						
20A£	FRONTIER 6.0EC	1.29	LAA	7	96	99	99	99	99	92
B	MARKSMAN (3.2SC)	1.4	LAA	11						
21A£	FRONTIER 6.0EC	1.29	LAA	7	88	99	99	99	92	83
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
22A	DUAL II (7.8EC)	2.25	LAA	7	94	99	99	99	92	92
B£	EXCEED	0.036	LAA	11						
C£	COC	1.00	PMV	11						
23A£	CY-PRO 4L	4.5	LAA	9	80	96	96	96	85	72
24A£	CY-PRO 90DF	4.5	LAA	9	88	96	99	99	87	78
25A£	GX413 4L	4.5	LAA	9	79	87	99	87	68	72
26A£	GX414 90DF	4.5	LAA	9	73	92	83	91	78	73
	LSD (0.05)				7.3	6.2	7.2	7.5	8.5	9.0
	STANDARD DEVIATION				18.2	41.5	31.8	41.5	39.3	18.1

TRIAL # US 210/96/01 001 01 - CRNPPI1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-03-96	AMACH CON % 07-03-96	ABUTH CON % 07-03-96	PHBPU CON % 07-03-96
1A	DUAL II (7.8EC)	2.25	LAA	7	0	0	0	0
2A	DUAL II (7.8EC)	2.5	LAA	7	0	0	0	0
3A£	DUAL II MAGNUM 915GL	1.41	LAA	7	0	0	0	0
4A£	DUAL II MAGNUM 915GL	1.56	LAA	7	0	0	0	0
5A£	FRONTIER 6.0EC	1.29	LAA	7	0	0	0	0
6A	SURPASS (6.4EC)	1.8	LAA	7	0	0	0	0
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
8A£	AXIOM	0.81	LAA	7	0	0	0	0
9A£	AXIOM	0.98	LAA	7	37	50	0	0
10A	BICEP II (6SC)	4.05	LAA	7	89	98	85	70
11A	SURPASS 100 (5SC)	3.43	LAA	7	82	91	68	57
12A£	GUARDSMAN	2.81	LAA	7	77	91	71	62
13A	EXTRAZINE II DF (90WG)	4.5	LAA	7	85	96	95	78
14A£	HARNESS EXTRA 5.6	3.5	LAA	7	83	96	93	70
15A£	AXIOM	0.81	LAA	7	87	98	97	77
B	ATRAZINE 90DF (WG)	1.8	LAA	7				
16A£	AXIOM	0.81	LAA	7	75	80	77	33
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	7				
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	91	94	88	73
18A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	99	99	98	85
B	ATRAZINE 90DF (WG)	1.25	LAA	7				
19A£	DOUBLEPLAY	4.38	LAA	7	86	98	87	80
B	ATRAZINE 90DF (WG)	1.6	LAA	7				
20A£	FRONTIER 6.0EC	1.29	LAA	7	99	99	99	94
B	MARKSMAN (3.2SC)	1.4	LAA	11				
21A£	FRONTIER 6.0EC	1.29	LAA	7	99	99	99	83
B	CLARITY (4SL)	0.5	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
22A	DUAL II (7.8EC)	2.25	LAA	7	99	99	99	82
B£	EXCEED	0.036	LAA	11				
C£	COC	1.00	PMV	11				
23A£	CY-PRO 4L	4.5	LAA	9	94	93	91	80
24A£	CY-PRO 90DF	4.5	LAA	9	95	98	98	86
25A£	GX413 4L	4.5	LAA	9	82	98	78	57
26A£	GX414 90DF	4.5	LAA	9	88	81	87	73
	LSD (0.05)				7.7	6.8	7.8	9.4
	STANDARD DEVIATION				41.6	42.1	43.3	37.0

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN CONVENTIONAL CORN I

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-19-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	52	68	65	½F
% REL.HUMIDITY	95	50	80	
WIND DIRECTION	SOUTH	EAST	WEST	
WIND SPEED	3.0	5.0	5.0	M/H
SKY CONDITION	OVERCAST	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/14	
PIONEER 3335	****/****	4.00/5.00	8.00/10.0	IN
04-18-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/15	
	****/****	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/4.00	4.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN

*** TIMING CODES**

09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 215/96/01 001 01 - CRNSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	POLPY CON % 06-07-96	ABUTH CON % 06-07-96	CHEAL CON % 06-07-96	ZEAMD CON % 06-28-96
1A	BICEP II (6SC)	4.05	LAA	9	3	98	99	92	99	0
2A	£HARNESS EXTRA 5.6	3.5	LAA	9	2	99	99	93	99	2
3A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	98	96	95	99	5
4A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	98	98	96	99	2
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
5A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	2	98	99	96	99	2
B	DUAL II (7.8EC)	2.25	LAA	9						
6A	SURPASS (6.4EC)	1.8	LAA	9	5	98	98	98	99	2
B	£BUCTRIL+ATRAZ.	0.75	LAA	11						
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A	£FRONTIER 6.0EC	1.29	LAA	9	7	99	93	88	99	0
B	MARKSMAN (3.2SC)	1.4	LAA	11						
9A	£FRONTIER 6.0EC	1.29	LAA	9	3	99	90	93	98	3
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
10A	£FRONTIER 6.0EC	1.29	LAA	9	3	99	85	87	99	0
B	£SAN1269H 70WG	0.35	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
11A	£FRONTIER 6.0EC	1.29	LAA	9	5	98	80	85	96	2
B	£SAN1269H 70WG	0.263	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	£FRONTIER 6.0EC	1.29	LAA	9	3	98	88	92	99	0
B	£TOUGH 5EC	0.47	LAA	11						
C	BANVEL (4SL)	0.25	LAA	11						
13A	£FRONTIER 6.0EC	1.29	LAA	9	7	99	95	98	96	3
B	£TOUGH 5EC	0.7	LAA	11						
C	ATRAZINE 90DF (WG)	1.00	LAA	11						
D	£COC	1.00	PMV	11						
14A	DUAL II (7.8EC)	2.19	LAA	9	0	99	91	92	98	0
B	£BROADSTRIKE PLUS	0.09	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
15A	DUAL II (7.8EC)	2.19	LAA	9	2	99	88	88	88	2
B	£SCORPION III 84.3WG	0.21	LAA	11						
C	£ACTIVATE PLUS	0.5	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
16A	DUAL II (7.8EC)	2.19	LAA	9	0	99	83	77	95	2
B	£EXCEED	0.036	LAA	11						
C	£COC	1.00	PMV	11						
17A	DUAL II (7.8EC)	2.19	LAA	9	0	99	88	85	88	0
B	£EXCEED	0.036	LAA	11						
C	BANVEL (4SL)	0.063	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
18A	DUAL II (7.8EC)	2.19	LAA	9	0	99	83	83	88	5
B	£EXCEED	0.036	LAA	11						
C	BANVEL (4SL)	0.125	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
19A	DUAL II (7.8EC)	2.19	LAA	9	7	99	93	92	99	0
B	£EXCEED	0.036	LAA	11						
C	BUCTRIL GEL (4EC)	0.125	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
20A	DUAL II (7.8EC)	2.19	LAA	9	2	99	92	98	99	2
B	£EXCEED	0.036	LAA	11						
C	£ACTION 4.75WP	0.0035	LAA	11						
D	£COC	1.00	PMV	11						

TRIAL # US 215/96/01 001 01 - CRNSYS1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	POLPY CON % 06-07-96	ABUTH CON % 06-07-96	CHEAL CON % 06-07-96	ZEAMD CON % 06-28-96
21A£AXIOM	0.81	LAA	9	7	95	99	95	99	8
B BUCTRIL GEL (4EC)	0.25	LAA	11						
22A£AXIOM	0.81	LAA	9	10	99	96	99	99	10
B SENCOR DF (75WG)	0.094	LAA	11						
C£2,4-D LVE	0.18	LAA	11						
23A SURPASS (6.4EC)	1.8	LAA	9	7	99	98	99	99	2
B£MOXYNIL/ATR 3EC	0.75	LAA	11						
24A£AXIOM	0.81	LAA	9	7	96	98	99	99	3
B£MOXYNIL 2EC	0.25	LAA	11						
25A HARNESS (7EC)	1.8	LAA	9	2	93	91	96	89	2
B PERMIT (75WG)	0.031	LAA	11						
C£COC	1.00	PMV	11						
26A£AXIOM	0.81	LAA	9	0	98	98	96	99	0
B£EXCEED	0.036	LAA	11						
C£COC	1.00	PMV	11						
LSD (0.05)				4.5	2.4	9.2	8.0	8.4	4.8
STANDARD DEVIATION				3.6	18.9	19.2	19.0	19.6	3.4

TRIAL # US 215/96/01 001 01 - CRNSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-28-96	POLPY CON % 06-28-96	ABUTH CON % 06-28-96	CHEAL CON % 06-28-96
1A	BICEP II (6SC)	4.05	LAA	9	93	99	83	99
2A	£HARNESS EXTRA 5.6	3.5	LAA	9	90	99	85	99
3A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	95	95	98	99
4A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	93	99	96	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9				
5A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	88	99	96	99
B	DUAL II (7.8EC)	2.25	LAA	9				
6A	SURPASS (6.4EC)	1.8	LAA	9	93	99	92	99
B	£BUCTRIL+ATRAZ.	0.75	LAA	11				
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
8A	£FRONTIER 6.0EC	1.29	LAA	9	96	99	95	99
B	MARKSMAN (3.2SC)	1.4	LAA	11				
9A	£FRONTIER 6.0EC	1.29	LAA	9	93	99	95	99
B	CLARITY (4SL)	0.5	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
10A	£FRONTIER 6.0EC	1.29	LAA	9	96	98	95	99
B	£SAN1269H 70WG	0.35	LAA	11				
C	£ACTIVATE PLUS	0.25	PMV	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
11A	£FRONTIER 6.0EC	1.29	LAA	9	96	99	96	99
B	£SAN1269H 70WG	0.263	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
12A	£FRONTIER 6.0EC	1.29	LAA	9	90	98	93	99
B	£TOUGH 5EC	0.47	LAA	11				
C	BANVEL (4SL)	0.25	LAA	11				
13A	£FRONTIER 6.0EC	1.29	LAA	9	96	98	96	99
B	£TOUGH 5EC	0.7	LAA	11				
C	ATRAZINE 90DF (WG)	1.00	LAA	11				
D	£COC	1.00	PMV	11				
14A	DUAL II (7.8EC)	2.19	LAA	9	90	98	96	96
B	£BROADSTRIKE PLUS	0.09	LAA	11				
C	£ACTIVATE PLUS	0.25	PMV	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
15A	DUAL II (7.8EC)	2.19	LAA	9	90	98	98	99
B	£SCORPION III 84.3WG	0.21	LAA	11				
C	£ACTIVATE PLUS	0.5	PMV	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
16A	DUAL II (7.8EC)	2.19	LAA	9	95	98	95	98
B	£EXCEED	0.036	LAA	11				
C	£COC	1.00	PMV	11				
17A	DUAL II (7.8EC)	2.19	LAA	9	93	99	96	99
B	£EXCEED	0.036	LAA	11				
C	BANVEL (4SL)	0.063	LAA	11				
D	£ACTIVATE PLUS	0.25	PMV	11				
18A	DUAL II (7.8EC)	2.19	LAA	9	92	99	95	99
B	£EXCEED	0.036	LAA	11				
C	BANVEL (4SL)	0.125	LAA	11				
D	£ACTIVATE PLUS	0.25	PMV	11				
19A	DUAL II (7.8EC)	2.19	LAA	9	95	98	95	99
B	£EXCEED	0.036	LAA	11				
C	BUCTRIL GEL (4EC)	0.125	LAA	11				
D	£ACTIVATE PLUS	0.25	PMV	11				
20A	DUAL II (7.8EC)	2.19	LAA	9	93	99	95	99
B	£EXCEED	0.036	LAA	11				
C	£ACTION 4.75WP	0.0035	LAA	11				
D	£COC	1.00	PMV	11				

TRIAL # US 215/96/01 001 01 - CRNSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-28-96	POLPY CON % 06-28-96	ABUTH CON % 06-28-96	CHEAL CON % 06-28-96
21	A£AXIOM	0.81	LAA	9	88	96	90	99
	B BUCTRIL GEL (4EC)	0.25	LAA	11				
22	A£AXIOM	0.81	LAA	9	93	98	96	99
	B SENCOR DF (75WG)	0.094	LAA	11				
	C£2,4-D LVE	0.18	LAA	11				
23	A SURPASS (6.4EC)	1.8	LAA	9	92	99	96	99
	B£MOXYNIL/ATR 3EC	0.75	LAA	11				
24	A£AXIOM	0.81	LAA	9	90	96	95	99
	B£MOXYNIL 2EC	0.25	LAA	11				
25	A HARNESS (7EC)	1.8	LAA	9	85	98	95	90
	B PERMIT (75WG)	0.031	LAA	11				
	C£COC	1.00	PMV	11				
26	A£AXIOM	0.81	LAA	9	92	99	96	99
	B£EXCEED	0.036	LAA	11				
	C£COC	1.00	PMV	11				
	LSD (0.05)				4.5	3.5	5.4	3.2
	STANDARD DEVIATION				18.2	19.0	18.7	19.1

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN CONVENTIONAL CORN II
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-19-96	05-17-96	05-30-96	MDY
AIR TEMPERATURE	52	80	67	½F
% REL.HUMIDITY	95	80	50	
WIND DIRECTION	SOUTH	SOUTH	EAST	
WIND SPEED	3.0	5.0	5.0	M/H
SKY CONDITION	OVERCAST	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/11	HGH/13	
PIONEER 3335	****/****	2.00/3.00	4.00/5.00	IN
04-18-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/2.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/11	HGH/14	
	****/****	1.00/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	1.00/2.00	IN
JIMSONWEED	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/1.00	2.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/11	HGH/14	
	****/****	1.00/1.00	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/3.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
10 = VEPOST
11 = EPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	DATST CON % 06-07-96	POLPY CON % 06-07-96	ABUTH CON % 06-07-96	AMACH CON % 06-07-96
1A	BICEP II (6SC)	4.05	LAA	9	0	90	99	95	88	98
2A	£HARNESS EXTRA 5.6	3.5	LAA	9	0	85	99	95	88	99
3A	HARNESS (7EC)	1.8	LAA	9	2	87	98	92	88	99
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
4A	HARNESS (7EC)	1.8	LAA	9	0	88	99	90	93	98
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	4.00	PMV	11						
5A	£FRONTIER 6.0EC	1.29	LAA	9	0	92	99	83	87	99
	B CLARITY (4SL)	0.5	LAA	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	£FRONTIER 6.0EC	1.29	LAA	9	2	96	99	95	95	99
	B MARKSMAN (3.2SC)	1.4	LAA	11						
8A	DUAL II (7.8EC)	2.19	LAA	9	5	96	99	94	96	99
	B£LADDOK S12	1.04	LAA	11						
	C£COC	1.00	PMV	11						
9A	DUAL II (7.8EC)	2.19	LAA	9	8	87	99	90	90	99
	B BUCTRIL GEL (4EC)	0.25	LAA	11						
10A	DUAL II (7.8EC)	2.19	LAA	9	10	95	99	95	96	99
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
11A	DUAL II (7.8EC)	2.19	LAA	9	0	95	93	87	92	94
	B£SCORPION III 84.3WG	0.21	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
12A	DUAL II (7.8EC)	2.19	LAA	9	0	95	99	83	88	98
	B£EXCEED	0.036	LAA	11						
	C£COC	1.00	PMV	11						
13A	HARNESS (7EC)	1.8	LAA	9	0	87	99	88	87	99
	B PERMIT (75WG)	0.031	LAA	11						
	C£2,4-D LVE	0.12	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
14A	HARNESS (7EC)	1.8	LAA	9	2	90	99	93	80	99
	B PERMIT (75WG)	0.031	LAA	11						
	C CLARITY (4SL)	0.063	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
15A	HARNESS (7EC)	1.8	LAA	9	2	87	99	87	82	99
	B PERMIT (75WG)	0.031	LAA	11						
	C CLARITY (4SL)	0.125	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
16A	HARNESS (7EC)	1.8	LAA	9	7	96	99	95	90	99
	B PERMIT (75WG)	0.031	LAA	11						
	C ATRAZINE 90DF (WG)	1.00	LAA	11						
	D£COC	1.00	PMV	11						
17A	HARNESS XTRA (6SC)	3.5	LAA	9	0	90	99	95	95	99
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
18A	DUAL II (7.8EC)	2.19	LAA	9	10	95	99	85	99	99
	B RESOURCE (0.86EC)	0.027	LAA	11						
	C ATRAZINE 90DF (WG)	0.5	LAA	11						
	D£COC	1.00	PMV	11						
19A	ACCENT (75WG)	0.031	LAA	11	0	67	99	73	92	78
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	4.00	PMV	11						

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	DATST CON % 06-07-96	POLPY CON % 06-07-96	ABUTH CON % 06-07-96	AMACH CON % 06-07-96
20A ACCENT (75WG)	0.031	LAA	11	10	83	99	73	83	96
B BUCTRIL GEL (4EC)	0.25	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						
21A ACCENT (75WG)	0.016	LAA	11	0	80	99	73	92	94
B EXCEED	0.036	LAA	11						
C ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	4.00	PMV	11						
22A BASIS	0.016	LAA	10	0	87	99	96	93	99
B CLARITY (4SL)	0.25	LAA	10						
C ACTIVATE PLUS	0.25	PMV	10						
D FERTILIZER - 28%UAN	4.00	PMV	10						
E CULTIVATE 14-21 DAT	0.00	NA	0						
23A HARNESS (7EC)	0.9	LAA	10	0	92	98	99	93	98
B PERMIT (75WG)	0.031	LAA	10						
C ACCENT (75WG)	0.016	LAA	10						
D ACTIVATE PLUS	0.25	PMV	10						
E FERTILIZER - 28%UAN	4.00	PMV	10						
24A DUAL II (7.8EC)	2.19	LAA	9	0	95	99	87	90	99
B BEACON (75WG)	0.018	LAA	11						
C BANVEL (4SL)	0.25	LAA	11						
D ACTIVATE PLUS	0.25	PMV	11						
LSD (0.05)				2.9	8.9	3.9	7.3	6.2	4.6
STANDARD DEVIATION				3.9	19.5	19.8	19.6	18.9	20.0

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-07-96	ZEAMD CON % 06-28-96	SETFA CON % 06-28-96	DATST CON % 06-28-96	POLPY CON % 06-28-96	ABUTH CON % 06-28-96
1A	BICEP II (6SC)	4.05	LAA	9	99	2	85	99	95	90
2A	£HARNESS EXTRA 5.6	3.5	LAA	9	99	2	75	99	95	85
3A	HARNESS (7EC)	1.8	LAA	9	98	2	80	99	90	92
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
4A	HARNESS (7EC)	1.8	LAA	9	99	0	87	99	92	95
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	4.00	PMV	11						
5A	£FRONTIER 6.0EC	1.29	LAA	9	98	2	92	99	96	95
	B CLARITY (4SL)	0.5	LAA	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	£FRONTIER 6.0EC	1.29	LAA	9	99	2	98	99	98	98
	B MARKSMAN (3.2SC)	1.4	LAA	11						
8A	DUAL II (7.8EC)	2.19	LAA	9	99	2	96	99	99	96
	B£LADDOK S12	1.04	LAA	11						
	C£COC	1.00	PMV	11						
9A	DUAL II (7.8EC)	2.19	LAA	9	99	3	83	98	93	90
	B BUCTRIL GEL (4EC)	0.25	LAA	11						
10A	DUAL II (7.8EC)	2.19	LAA	9	99	2	95	99	99	95
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
11A	DUAL II (7.8EC)	2.19	LAA	9	96	0	87	99	95	96
	B£SCORPION III 84.3WG	0.21	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
12A	DUAL II (7.8EC)	2.19	LAA	9	91	2	93	99	98	95
	B£EXCEED	0.036	LAA	11						
	C£COC	1.00	PMV	11						
13A	HARNESS (7EC)	1.8	LAA	9	99	0	78	99	92	93
	B PERMIT (75WG)	0.031	LAA	11						
	C£2,4-D LVE	0.12	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
14A	HARNESS (7EC)	1.8	LAA	9	99	3	78	96	96	93
	B PERMIT (75WG)	0.031	LAA	11						
	C CLARITY (4SL)	0.063	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
15A	HARNESS (7EC)	1.8	LAA	9	99	0	82	99	95	96
	B PERMIT (75WG)	0.031	LAA	11						
	C CLARITY (4SL)	0.125	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
16A	HARNESS (7EC)	1.8	LAA	9	99	0	92	99	99	95
	B PERMIT (75WG)	0.031	LAA	11						
	C ATRAZINE 90DF (WG)	1.00	LAA	11						
	D£COC	1.00	PMV	11						
17A	HARNESS XTRA (6SC)	3.5	LAA	9	99	0	83	99	96	96
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
18A	DUAL II (7.8EC)	2.19	LAA	9	99	0	95	99	75	96
	B RESOURCE (0.86EC)	0.027	LAA	11						
	C ATRAZINE 90DF (WG)	0.5	LAA	11						
	D£COC	1.00	PMV	11						
19A	ACCENT (75WG)	0.031	LAA	11	62	0	80	78	88	95
	B PERMIT (75WG)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	4.00	PMV	11						

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-07-96	ZEAMD CON % 06-28-96	SETFA CON % 06-28-96	DATST CON % 06-28-96	POLPY CON % 06-28-96	ABUTH CON % 06-28-96
20A	ACCENT (75WG)	0.031	LAA	11	96	2	77	93	80	73
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	4.00	PMV	11						
21A	ACCENT (75WG)	0.016	LAA	11	91	3	83	96	96	95
B	£EXCEED	0.036	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	4.00	PMV	11						
22A	£BASIS	0.016	LAA	10	99	0	82	96	95	92
B	CLARITY (4SL)	0.25	LAA	10						
C	£ACTIVATE PLUS	0.25	PMV	10						
D	FERTILIZER - 28%UAN	4.00	PMV	10						
E	£CULTIVATE 14-21 DAT	0.00	NA	0						
23A	HARNESS (7EC)	0.9	LAA	10	99	0	82	98	96	93
B	PERMIT (75WG)	0.031	LAA	10						
C	ACCENT (75WG)	0.016	LAA	10						
D	£ACTIVATE PLUS	0.25	PMV	10						
E	FERTILIZER - 28%UAN	4.00	PMV	10						
24A	DUAL II (7.8EC)	2.19	LAA	9	94	0	92	99	96	95
B	BEACON (75WG)	0.018	LAA	11						
C	BANVEL (4SL)	0.25	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
	LSD (0.05)				8.2	3.5	8.4	5.3	5.9	5.9
	STANDARD DEVIATION				21.1	2.2	19.0	20.1	19.8	19.4

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 06-28-96	CHEAL CON % 06-28-96
1A	BICEP II (6SC)	4.05	LAA	9	98	99
2A	£HARNESS EXTRA 5.6	3.5	LAA	9	99	99
3A	HARNESS (7EC)	1.8	LAA	9	99	99
B	PERMIT (75WG)	0.031	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
4A	HARNESS (7EC)	1.8	LAA	9	99	96
B	PERMIT (75WG)	0.031	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
D	FERTILIZER - 28%UAN	4.00	PMV	11		
5A	£FRONTIER 6.0EC	1.29	LAA	9	99	99
B	CLARITY (4SL)	0.5	LAA	11		
C	FERTILIZER - 28%UAN	2.5	PMV	11		
6A	UNTREATED CHECK	0.00	NA	0	0	0
7A	£FRONTIER 6.0EC	1.29	LAA	9	99	99
B	MARKSMAN (3.2SC)	1.4	LAA	11		
8A	DUAL II (7.8EC)	2.19	LAA	9	99	99
B	£LADDOK S12	1.04	LAA	11		
C	£COC	1.00	PMV	11		
9A	DUAL II (7.8EC)	2.19	LAA	9	96	98
B	BUCTRIL GEL (4EC)	0.25	LAA	11		
10A	DUAL II (7.8EC)	2.19	LAA	9	99	99
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11		
11A	DUAL II (7.8EC)	2.19	LAA	9	94	99
B	£SCORPION III 84.3WG	0.21	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
D	FERTILIZER - 28%UAN	2.5	PMV	11		
12A	DUAL II (7.8EC)	2.19	LAA	9	99	99
B	£EXCEED	0.036	LAA	11		
C	£COC	1.00	PMV	11		
13A	HARNESS (7EC)	1.8	LAA	9	99	99
B	PERMIT (75WG)	0.031	LAA	11		
C	£2,4-D LVE	0.12	LAA	11		
D	£ACTIVATE PLUS	0.25	PMV	11		
14A	HARNESS (7EC)	1.8	LAA	9	89	99
B	PERMIT (75WG)	0.031	LAA	11		
C	CLARITY (4SL)	0.063	LAA	11		
D	£ACTIVATE PLUS	0.25	PMV	11		
15A	HARNESS (7EC)	1.8	LAA	9	99	99
B	PERMIT (75WG)	0.031	LAA	11		
C	CLARITY (4SL)	0.125	LAA	11		
D	£ACTIVATE PLUS	0.25	PMV	11		
16A	HARNESS (7EC)	1.8	LAA	9	99	99
B	PERMIT (75WG)	0.031	LAA	11		
C	ATRAZINE 90DF (WG)	1.00	LAA	11		
D	£COC	1.00	PMV	11		
17A	HARNESS XTRA (6SC)	3.5	LAA	9	99	99
B	PERMIT (75WG)	0.031	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
18A	DUAL II (7.8EC)	2.19	LAA	9	99	99
B	RESOURCE (0.86EC)	0.027	LAA	11		
C	ATRAZINE 90DF (WG)	0.5	LAA	11		
D	£COC	1.00	PMV	11		
19A	ACCENT (75WG)	0.031	LAA	11	95	63
B	PERMIT (75WG)	0.031	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
D	FERTILIZER - 28%UAN	4.00	PMV	11		

TRIAL # US 216/96/01 001 01 - CRNSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 06-28-96	CHEAL CON % 06-28-96
20A	ACCENT (75WG)	0.031	LAA	11	98	95
B	BUCTRIL GEL (4EC)	0.25	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
D	FERTILIZER - 28%UAN	4.00	PMV	11		
21A	ACCENT (75WG)	0.016	LAA	11	96	96
B	£EXCEED	0.036	LAA	11		
C	£ACTIVATE PLUS	0.25	PMV	11		
D	FERTILIZER - 28%UAN	4.00	PMV	11		
22A	£BASIS	0.016	LAA	10	99	99
B	CLARITY (4SL)	0.25	LAA	10		
C	£ACTIVATE PLUS	0.25	PMV	10		
D	FERTILIZER - 28%UAN	4.00	PMV	10		
E	£CULTIVATE 14-21 DAT	0.00	NA	0		
23A	HARNESS (7EC)	0.9	LAA	10	98	98
B	PERMIT (75WG)	0.031	LAA	10		
C	ACCENT (75WG)	0.016	LAA	10		
D	£ACTIVATE PLUS	0.25	PMV	10		
E	FERTILIZER - 28%UAN	4.00	PMV	10		
24A	DUAL II (7.8EC)	2.19	LAA	9	99	99
B	BEACON (75WG)	0.018	LAA	11		
C	BANVEL (4SL)	0.25	LAA	11		
D	£ACTIVATE PLUS	0.25	PMV	11		
	LSD (0.05)				6.6	3.2
	STANDARD DEVIATION				19.9	20.7

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXP31130A PREEMERGENCE IN CORN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	04-19-96	MDY
AIR TEMPERATURE	51	½F
% REL.HUMIDITY	90	
WIND DIRECTION	SOUTH	
WIND SPEED	3.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3335	****/****	IN
04-18-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
JIMSONWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
09 = PREEMERGENCE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 217/96/01 001 01 - CEXPPRE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-04-96	SETFA CON % 06-04-96	CHEAL CON % 06-04-96	POLPY CON % 06-04-96	ABUTH CON % 06-04-96	DATST CON % 06-04-96
1A	£EXP31130A	0.071	LAA	9	0	63	98	87	85	96
2A	£EXP31130A	0.094	LAA	9	0	75	99	98	88	93
3A	£EXP31130A	0.12	LAA	9	0	87	99	99	92	96
4A	DUAL II (7.8EC)	1.00	LAA	9	0	95	27	23	77	0
5A	DUAL II (7.8EC)	1.25	LAA	9	0	98	37	27	80	0
6A	DUAL II (7.8EC)	1.5	LAA	9	0	98	43	33	85	0
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	90	99	99	90	99
9A	ATRAZINE 90DF (WG)	1.5	LAA	9	0	87	99	99	92	99
10A	£EXP31130A	0.094	LAA	9	0	98	99	96	92	96
B	DUAL II (7.8EC)	1.00	LAA	9						
11A	£EXP31130A	0.094	LAA	9	0	92	99	99	93	98
B	DUAL II (7.8EC)	1.25	LAA	9						
12A	£EXP31130A	0.094	LAA	9	0	98	99	99	95	98
B	DUAL II (7.8EC)	1.5	LAA	9						
13A	£EXP31130A	0.094	LAA	9	0	85	99	99	92	99
B	ATRAZINE 90DF (WG)	1.00	LAA	9						
14A	£EXP31130A	0.094	LAA	9	0	92	99	99	95	98
B	ATRAZINE 90DF (WG)	1.5	LAA	9						
15A	£EXP31130A	0.094	LAA	9	0	96	99	99	93	99
B	DUAL II (7.8EC)	1.00	LAA	9						
C	ATRAZINE 90DF (WG)	1.00	LAA	9						
16A	£EXP31130A	0.094	LAA	9	0	95	99	99	93	99
B	DUAL II (7.8EC)	1.00	LAA	9						
C	ATRAZINE 90DF (WG)	1.5	LAA	9						
17A	£EXP31130A	0.094	LAA	9	0	95	99	99	93	99
B	DUAL II (7.8EC)	1.25	LAA	9						
C	ATRAZINE 90DF (WG)	1.00	LAA	9						
18A	£EXP31130A	0.094	LAA	9	0	98	99	99	95	99
B	DUAL II (7.8EC)	1.25	LAA	9						
C	ATRAZINE 90DF (WG)	1.5	LAA	9						
19A	£EXP31130A	0.094	LAA	9	0	96	99	99	93	98
B	DUAL II (7.8EC)	1.5	LAA	9						
C	ATRAZINE 90DF (WG)	1.00	LAA	9						
20A	£EXP31130A	0.094	LAA	9	0	96	99	99	95	99
B	DUAL II (7.8EC)	1.5	LAA	9						
C	ATRAZINE 90DF (WG)	1.5	LAA	9						
21A	£EXP31130A	0.094	LAA	9	0	92	99	96	90	99
B	SURPASS (6.4EC)	1.00	LAA	9						
22A	£EXP31130A	0.094	LAA	9	0	90	99	98	88	94
B	SURPASS (6.4EC)	1.2	LAA	9						
23A	£BICEP II	4.00	LAA	9	0	98	99	99	93	98
24A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				0.0	7.9	4.6	4.7	6.5	5.5
	STANDARD DEVIATION				0.0	20.4	27.9	29.4	19.1	36.5

TRIAL # US 217/96/01 001 01 - CEXPPRE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	POLPY CON % 07-03-96	ABUTH CON % 07-03-96	DATST CON % 07-03-96
1A	£EXP31130A	0.071	LAA	9	0	28	99	81	99	96
2A	£EXP31130A	0.094	LAA	9	0	47	99	98	96	95
3A	£EXP31130A	0.12	LAA	9	0	68	99	96	96	93
4A	DUAL II (7.8EC)	1.00	LAA	9	0	85	37	33	75	0
5A	DUAL II (7.8EC)	1.25	LAA	9	0	95	47	37	78	0
6A	DUAL II (7.8EC)	1.5	LAA	9	0	93	52	43	78	0
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	47	93	99	91	99
9A	ATRAZINE 90DF (WG)	1.5	LAA	9	0	57	99	99	90	99
10A	£EXP31130A	0.094	LAA	9	2	90	95	96	95	95
	B DUAL II (7.8EC)	1.00	LAA	9						
11A	£EXP31130A	0.094	LAA	9	2	85	99	99	95	89
	B DUAL II (7.8EC)	1.25	LAA	9						
12A	£EXP31130A	0.094	LAA	9	0	92	99	98	96	96
	B DUAL II (7.8EC)	1.5	LAA	9						
13A	£EXP31130A	0.094	LAA	9	0	65	99	99	98	98
	B ATRAZINE 90DF (WG)	1.00	LAA	9						
14A	£EXP31130A	0.094	LAA	9	0	80	99	98	96	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9						
15A	£EXP31130A	0.094	LAA	9	0	90	99	99	96	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	C ATRAZINE 90DF (WG)	1.00	LAA	9						
16A	£EXP31130A	0.094	LAA	9	0	90	99	98	96	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	C ATRAZINE 90DF (WG)	1.5	LAA	9						
17A	£EXP31130A	0.094	LAA	9	0	93	99	98	93	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	C ATRAZINE 90DF (WG)	1.00	LAA	9						
18A	£EXP31130A	0.094	LAA	9	2	92	99	99	93	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	C ATRAZINE 90DF (WG)	1.5	LAA	9						
19A	£EXP31130A	0.094	LAA	9	2	93	99	99	93	98
	B DUAL II (7.8EC)	1.5	LAA	9						
	C ATRAZINE 90DF (WG)	1.00	LAA	9						
20A	£EXP31130A	0.094	LAA	9	0	94	99	99	98	99
	B DUAL II (7.8EC)	1.5	LAA	9						
	C ATRAZINE 90DF (WG)	1.5	LAA	9						
21A	£EXP31130A	0.094	LAA	9	0	75	98	99	96	99
	B SURPASS (6.4EC)	1.00	LAA	9						
22A	£EXP31130A	0.094	LAA	9	0	75	99	96	95	85
	B SURPASS (6.4EC)	1.2	LAA	9						
23A	£BICEP II	4.00	LAA	9	2	93	99	99	80	99
24A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
		LSD (0.05)			2.1	13.2	5.9	10.1	5.2	8.0
		STANDARD DEVIATION			1.3	25.0	25.7	27.3	19.9	36.4

TRIAL # US 217/96/01 001 01 - CEXPPRE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-07-96
1A	£EXP31130A	0.071	LAA	9	164.7
2A	£EXP31130A	0.094	LAA	9	156.3
3A	£EXP31130A	0.12	LAA	9	167.4
4A	DUAL II (7.8EC)	1.00	LAA	9	165.3
5A	DUAL II (7.8EC)	1.25	LAA	9	138.2
6A	DUAL II (7.8EC)	1.5	LAA	9	172.0
7A	UNTREATED CHECK	0.00	NA	0	117.6
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	168.7
9A	ATRAZINE 90DF (WG)	1.5	LAA	9	168.3
10A	£EXP31130A	0.094	LAA	9	181.5
B	DUAL II (7.8EC)	1.00	LAA	9	
11A	£EXP31130A	0.094	LAA	9	159.8
B	DUAL II (7.8EC)	1.25	LAA	9	
12A	£EXP31130A	0.094	LAA	9	172.9
B	DUAL II (7.8EC)	1.5	LAA	9	
13A	£EXP31130A	0.094	LAA	9	166.9
B	ATRAZINE 90DF (WG)	1.00	LAA	9	
14A	£EXP31130A	0.094	LAA	9	174.5
B	ATRAZINE 90DF (WG)	1.5	LAA	9	
15A	£EXP31130A	0.094	LAA	9	190.5
B	DUAL II (7.8EC)	1.00	LAA	9	
C	ATRAZINE 90DF (WG)	1.00	LAA	9	
16A	£EXP31130A	0.094	LAA	9	198.0
B	DUAL II (7.8EC)	1.00	LAA	9	
C	ATRAZINE 90DF (WG)	1.5	LAA	9	
17A	£EXP31130A	0.094	LAA	9	173.9
B	DUAL II (7.8EC)	1.25	LAA	9	
C	ATRAZINE 90DF (WG)	1.00	LAA	9	
18A	£EXP31130A	0.094	LAA	9	176.6
B	DUAL II (7.8EC)	1.25	LAA	9	
C	ATRAZINE 90DF (WG)	1.5	LAA	9	
19A	£EXP31130A	0.094	LAA	9	197.6
B	DUAL II (7.8EC)	1.5	LAA	9	
C	ATRAZINE 90DF (WG)	1.00	LAA	9	
20A	£EXP31130A	0.094	LAA	9	202.6
B	DUAL II (7.8EC)	1.5	LAA	9	
C	ATRAZINE 90DF (WG)	1.5	LAA	9	
21A	£EXP31130A	0.094	LAA	9	185.3
B	SURPASS (6.4EC)	1.00	LAA	9	
22A	£EXP31130A	0.094	LAA	9	167.2
B	SURPASS (6.4EC)	1.2	LAA	9	
23A	£BICEP II	4.00	LAA	9	161.5
24A	£HAND WEEDED	0.00	NA	0	166.0
		LSD (0.05)			27.9
		STANDARD DEVIATION			23.0

£ = SUPPLEMENTAL CHEMICAL

TOTAL POSTEMERGENCE WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-24-96	05-17-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	62	80	66	67	½F
% REL.HUMIDITY	60	80	50	80	
WIND DIRECTION	SOUTH	SOUTH	EAST	NORTHWEST	
WIND SPEED	12.0	5.0	5.0	5.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT	HGH/NA	HGH/11	HGH/12	HGH/14	
PIONEER 3335	****/****	2.00/3.00	4.00/5.00	8.00/8.00	IN
04-18-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/14	
	****/****	1.00/1.00	1.00/2.00	2.00/4.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/12	HGH/14	
	****/****	1.00/1.00	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	HGH/16	
	****/****	1.00/1.00	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	HGH/16	
	****/****	1.00/2.00	2.00/4.00	3.00/5.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	HGH/13	
	****/****	1.00/1.00	2.00/3.00	3.00/5.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
10 = VEPOST
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 320/96/01 001 01 - CTOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD 10DAT	AMBEL 10DAT	SETFA 10DAT	POLPY 10DAT	ABUTH 10DAT	CHEAL 10DAT
1	A£BASIS	0.016	LAA	10	7	99	90	99	91	99
	B CLARITY (4SL)	0.125	LAA	10						
	C£ACTIVATE PLUS	0.25	PMV	10						
	D FERTILIZER - 28%UAN	2.5	PMV	10						
	E£CULTIVATE 14DAT	0.00	NA	0						
2	A£BASIS	0.016	LAA	10	8	99	93	99	99	99
	B ATRAZINE 90DF (WG)	0.75	LAA	10						
	C£COC	1.00	PMV	10						
	D FERTILIZER - 28%UAN	2.5	PMV	10						
	E£CULTIVATE 14DAT	0.00	NA	0						
3	A£DPX-79406 75DF	0.023	LAA	11	5	99	95	99	96	99
	B ATRAZINE 90DF (WG)	0.75	LAA	11						
	C£COC	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
4	A EXTRAZINE II DF (90WG)	2.00	LAA	9	10	99	99	99	99	99
	B ACCENT (75WG)	0.031	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
5	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6	A ACCENT (75WG)	0.016	LAA	11	7	98	95	99	98	99
	B£EXCEED	0.036	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
7	A ACCENT (75WG)	0.031	LAA	12	2	90	78	80	80	80
	B£EXCEED	0.018	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
8	A PROWL 3.3EC	1.5	LAA	11	2	99	96	96	98	99
	B ACCENT (75WG)	0.016	LAA	11						
	C£EXCEED	0.036	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
9	A ACCENT (75WG)	0.031	LAA	12	0	86	82	82	70	90
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10	A ACCENT (75WG)	0.031	LAA	12	3	96	75	82	67	99
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
11	A ACCENT (75WG)	0.031	LAA	12	7	85	77	82	83	99
	B£MOXYNIL 2EC	0.25	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
12	A ACCENT (75WG)	0.031	LAA	12	7	95	73	88	83	99
	B£MOXYNIL/ATR 3EC	0.75	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
13	A PROWL 3.3EC	1.5	LAA	11	5	99	96	96	96	99
	B ACCENT (75WG)	0.016	LAA	11						
	C BUCTRIL GEL (4EC)	0.25	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
14	A PROWL 3.3EC	1.5	LAA	11	5	96	96	99	95	99
	B ACCENT (75WG)	0.016	LAA	11						
	C BANVEL (4SL)	0.25	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
15	A ACCENT (75WG)	0.031	LAA	12	18	98	80	93	96	99
	B RESOURCE (0.86EC)	0.027	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 320/96/01 001 01 - CTOTPOS

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD 10DAT	AMBEL 10DAT	SETFA 10DAT	POLPY 10DAT	ABUTH 10DAT	CHEAL 10DAT
16A ACCENT (75WG)	0.031	LAA	12	15	80	72	73	85	96
BESCORPION III 84.3WG	0.21	LAA	12						
CEACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
LSD (0.05)				8.3	12.5	9.0	8.1	11.5	8.7
STANDARD DEVIATION				6.8	24.5	23.3	24.0	24.4	24.3

TRIAL # US 320/96/01 001 01 - CTOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD 30DAT	AMBEL 30DAT	SETFA 30DAT	POLPY 30DAT	ABUTH 30DAT	CHEAL 30DAT
1A	£BASIS	0.016	LAA	10	2	99	75	98	93	98
	B CLARITY (4SL)	0.125	LAA	10						
	C£ACTIVATE PLUS	0.25	PMV	10						
	D FERTILIZER - 28%UAN	2.5	PMV	10						
	E£CULTIVATE 14DAT	0.00	NA	0						
2A	£BASIS	0.016	LAA	10	2	99	87	99	99	99
	B ATRAZINE 90DF (WG)	0.75	LAA	10						
	C£COC	1.00	PMV	10						
	D FERTILIZER - 28%UAN	2.5	PMV	10						
	E£CULTIVATE 14DAT	0.00	NA	0						
3A	£DPX-79406 75DF	0.023	LAA	11	0	98	92	99	96	99
	B ATRAZINE 90DF (WG)	0.75	LAA	11						
	C£COC	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
4A	EXTRAZINE II DF (90WG)	2.00	LAA	9	0	99	93	99	98	99
	B ACCENT (75WG)	0.031	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ACCENT (75WG)	0.016	LAA	11	2	99	90	99	99	99
	B£EXCEED	0.036	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
7A	ACCENT (75WG)	0.031	LAA	12	3	96	95	92	96	85
	B£EXCEED	0.018	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
8A	PROWL 3.3EC	1.5	LAA	11	2	99	95	99	96	99
	B ACCENT (75WG)	0.016	LAA	11						
	C£EXCEED	0.036	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
9A	ACCENT (75WG)	0.031	LAA	12	5	91	95	85	73	82
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A	ACCENT (75WG)	0.031	LAA	12	5	99	95	85	80	96
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
11A	ACCENT (75WG)	0.031	LAA	12	0	85	95	87	85	95
	B£MOXYNIL 2EC	0.25	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
12A	ACCENT (75WG)	0.031	LAA	12	0	94	95	90	93	99
	B£MOXYNIL/ATR 3EC	0.75	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
13A	PROWL 3.3EC	1.5	LAA	11	7	99	92	99	96	99
	B ACCENT (75WG)	0.016	LAA	11						
	C BUCTRIL GEL (4EC)	0.25	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
14A	PROWL 3.3EC	1.5	LAA	11	2	99	92	99	95	99
	B ACCENT (75WG)	0.016	LAA	11						
	C BANVEL (4SL)	0.25	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
15A	ACCENT (75WG)	0.031	LAA	12	5	99	90	93	96	99
	B RESOURCE (0.86EC)	0.027	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 320/96/01 001 01 - CTOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD 30DAT	AMBEL 30DAT	SETFA 30DAT	POLPY 30DAT	ABUTH 30DAT	CHEAL 30DAT
16A	ACCENT (75WG)	0.031	LAA	12	5	93	95	85	99	98
	BESCORPION III 84.3WG	0.21	LAA	12						
	CEACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				4.5	6.2	4.8	9.9	6.5	6.7
	STANDARD DEVIATION				3.1	23.9	22.8	24.0	23.8	24.1

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN POAST COMPATIBLE CORN I
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-17-96	05-21-96	05-30-96	06-14-96	MDY
AIR TEMPERATURE	71	74	67	84	½F
% REL.HUMIDITY	33	60	55	70	
WIND DIRECTION	SOUTHWEST	NORTH	EAST	WEST	
WIND SPEED	12.0	3.0	5.0	2.0	M/H
SKY CONDITION	CLEAR	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT	HGH/NA	HGH/11	HGH/12	HGH/15	
DEKALB 592SR	****/****	3.00/3.00	4.00/5.00	14.0/16.0	IN
04-17-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/NA	
	****/****	1.00/1.00	1.00/2.00	****/****	IN
PIGWEED, SMOOTH	HGH/NA	HGH/11	HGH/13	HGH/NA	
	****/****	0.50/0.50	1.00/2.00	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/14	HGH/NA	
	****/****	1.00/1.00	1.00/2.00	****/****	IN
JIMSONWEED	HGH/NA	HGH/10	HGH/12	HGH/NA	
	****/****	1.00/1.00	2.00/2.00	****/****	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	HGH/00	
	****/****	2.00/2.00	3.00/5.00	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/3.00	4.00/6.00	IN

*** TIMING CODES**
09 = PREEMERGENCE

APPLICATIONS

*** TIMING CODES**

10 = VEPOST
11 = EPOST
13 = LPOST

*** STAGE CODE**

00 = DRY SEED (DORMANT)
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	POLPY CON % 06-07-96	CHEAL CON % 06-07-96	ABUTH CON % 06-07-96	AMACH CON % 06-07-96
1A	EXTRAZINE II DF (90WG)	4.00	LAA	9	0	90	99	99	92	98
2A	BICEP II (6SC)	3.54	LAA	9	0	97	98	99	83	99
3A	SURPASS 100 (5SC)	3.25	LAA	9	2	98	96	99	88	99
4A	£GUARDSMAN	2.81	LAA	9	2	98	94	99	87	99
5A	DUAL II (7.8EC)	2.25	LAA	9	3	98	96	98	95	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
6A	SURPASS (6.4EC)	1.8	LAA	9	5	99	96	99	94	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
7A	£FRONTIER 6.0EC	1.29	LAA	9	3	98	98	98	93	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
8A	DUAL II (7.8EC)	2.25	LAA	9	0	97	96	96	92	98
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
9A	HARNESS (7EC)	1.8	LAA	9	2	96	97	98	96	99
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
10A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	25	96	97	93	95	99
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
11A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	3	88	99	90	93	99
B	ACCENT (75WG)	0.031	LAA	11						
C	£COC	1.00	PMV	11						
12A	£PERMIT	0.031	LAA	11	5	88	86	70	82	88
B	CLARITY (4SL)	0.125	LAA	11						
C	POAST (1.5EC)	0.188	LAA	11						
D	£COC	1.00	PMV	11						
13A	£PERMIT	0.031	LAA	11	0	82	77	80	85	90
B	CLARITY (4SL)	0.125	LAA	11						
C	ACCENT (75WG)	0.031	LAA	11						
D	£COC	1.00	PMV	11						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A	MARKSMAN (3.2SC)	1.4	LAA	11	7	98	98	99	95	99
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
16A	MARKSMAN (3.2SC)	1.4	LAA	11	7	77	95	98	87	99
B	ACCENT (75WG)	0.031	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
17A	EXTRAZINE II DF (90WG)	4.00	LAA	9	0	98	98	99	95	99
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
18A	EXTRAZINE II DF (90WG)	4.00	LAA	9	7	99	99	99	95	99
B	ACCENT (75WG)	0.031	LAA	11						
C	£COC	1.00	PMV	11						
19A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	5	87	98	92	92	99
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
D	POAST (1.5EC)	0.188	LAA	13						
E	£COC	1.00	PMV	13						
20A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	8	98	99	92	95	98
B	POAST (1.5EC)	0.094	LAA	10						
C	£FRONTIER 6.0EC	0.94	LAA	10						
D	£COC	1.00	PMV	10						
21A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	2	95	99	99	93	96
B	ACCENT (75WG)	0.016	LAA	10						
C	£FRONTIER 6.0EC	0.94	LAA	10						
D	£COC	1.00	PMV	10						

TRIAL # US 115/96/01 001 01 - SRCSYS1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-07-96	SETFA CON % 06-07-96	POLPY CON % 06-07-96	CHEAL CON % 06-07-96	ABUTH CON % 06-07-96	AMACH CON % 06-07-96
22AEFRONTIER 6.0EC	0.94	LAA	10	0	99	98	98	98	99
BELADDOK S12	1.04	LAA	10						
C POAST (1.5EC)	0.094	LAA	10						
DECOC	1.00	PMV	10						
23AEFRONTIER 6.0EC	0.94	LAA	10	2	95	98	99	93	98
B CLARITY (4SL)	0.5	LAA	10						
C ACCENT (75WG)	0.016	LAA	10						
DEACTIVATE PLUS	0.25	PMV	10						
24AEHAND WEEDED	0.00	NA	0	0	99	99	99	99	99
LSD (0.05)				6.9	4.7	7.3	4.5	4.6	3.3
STANDARD DEVIATION				6.2	19.9	20.4	20.4	19.1	19.9

LIBRARY U.S. DEPT. OF AGRICULTURE

TRIAL # US 115/96/01 001 01 - SRCSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	DATST CON % 06-07-96	ZEAMD CON % 06-29-96	SETFA CON % 06-29-96	POLPY CON % 06-29-96	CHEAL CON % 06-29-96	ABUTH CON % 06-29-96
1A	EXTRAZINE II DF (90WG)	4.00	LAA	9	99	0	75	99	99	83
2A	BICEP II (6SC)	3.54	LAA	9	96	0	92	95	95	80
3A	SURPASS 100 (5SC)	3.25	LAA	9	99	0	93	95	99	78
4A	£GUARDSMAN	2.81	LAA	9	96	0	88	89	99	75
5A	DUAL II (7.8EC)	2.25	LAA	9	99	2	96	99	99	95
B	MARKSMAN (3.2SC)	1.4	LAA	11						
6A	SURPASS (6.4EC)	1.8	LAA	9	99	5	93	99	99	96
B	MARKSMAN (3.2SC)	1.4	LAA	11						
7A	£FRONTIER 6.0EC	1.29	LAA	9	99	2	98	98	99	93
B	MARKSMAN (3.2SC)	1.4	LAA	11						
8A	DUAL II (7.8EC)	2.25	LAA	9	90	2	95	90	88	88
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
9A	HARNESS (7EC)	1.8	LAA	9	95	3	83	98	94	95
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9						
10A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	7	90	99	83	96
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
11A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	94	3	82	99	80	93
B	ACCENT (75WG)	0.031	LAA	11						
C	£COC	1.00	PMV	11						
12A	£PERMIT	0.031	LAA	11	93	2	92	98	99	95
B	CLARITY (4SL)	0.125	LAA	11						
C	POAST (1.5EC)	0.188	LAA	11						
D	£COC	1.00	PMV	11						
13A	£PERMIT	0.031	LAA	11	99	0	80	99	99	95
B	CLARITY (4SL)	0.125	LAA	11						
C	ACCENT (75WG)	0.031	LAA	11						
D	£COC	1.00	PMV	11						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A	MARKSMAN (3.2SC)	1.4	LAA	11	99	5	93	98	99	96
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
16A	MARKSMAN (3.2SC)	1.4	LAA	11	99	2	85	99	99	93
B	ACCENT (75WG)	0.031	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
17A	EXTRAZINE II DF (90WG)	4.00	LAA	9	98	0	88	98	99	87
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
18A	EXTRAZINE II DF (90WG)	4.00	LAA	9	99	2	87	99	99	92
B	ACCENT (75WG)	0.031	LAA	11						
C	£COC	1.00	PMV	11						
19A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	87	2	90	96	77	95
B	POAST (1.5EC)	0.188	LAA	11						
C	£COC	1.00	PMV	11						
D	POAST (1.5EC)	0.188	LAA	13						
E	£COC	1.00	PMV	13						
20A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	85	5	95	99	80	92
B	POAST (1.5EC)	0.094	LAA	10						
C	£FRONTIER 6.0EC	0.94	LAA	10						
D	£COC	1.00	PMV	10						
21A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	95	3	88	98	95	96
B	ACCENT (75WG)	0.016	LAA	10						
C	£FRONTIER 6.0EC	0.94	LAA	10						
D	£COC	1.00	PMV	10						

TRIAL # US 115/96/01 001 01 - SRCSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	DATST CON % 06-07-96	ZEAMD CON % 06-29-96	SETFA CON % 06-29-96	POLPY CON % 06-29-96	CHEAL CON % 06-29-96	ABUTH CON % 06-29-96
22A£	FRONTIER 6.0EC	0.94	LAA	10	99	0	96	94	95	92
B£	LADDOK S12	1.04	LAA	10						
C	POAST (1.5EC)	0.094	LAA	10						
D£	COC	1.00	PMV	10						
23A£	FRONTIER 6.0EC	0.94	LAA	10	99	5	82	98	98	90
B	CLARITY (4SL)	0.5	LAA	10						
C	ACCENT (75WG)	0.016	LAA	10						
D£	ACTIVATE PLUS	0.25	PMV	10						
24A£	HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
	LSD (0.05)				7.9	4.6	7.7	7.5	6.1	6.8
	STANDARD DEVIATION				20.2	3.1	19.3	19.9	20.4	19.5

TRIAL # US 115/96/01 001 01 - SRCSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 06-29-96	DATST CON % 06-29-96	YIELD BU/A 10-07-96
1A	EXTRAZINE II DF (90WG)	4.00	LAA	9	96	96	126.8
2A	BICEP II (6SC)	3.54	LAA	9	98	88	157.0
3A	SURPASS 100 (5SC)	3.25	LAA	9	98	98	173.8
4A	£GUARDSMAN	2.81	LAA	9	96	91	142.8
5A	DUAL II (7.8EC)	2.25	LAA	9	99	99	172.1
B	MARKSMAN (3.2SC)	1.4	LAA	11			
6A	SURPASS (6.4EC)	1.8	LAA	9	99	99	175.4
B	MARKSMAN (3.2SC)	1.4	LAA	11			
7A	£FRONTIER 6.0EC	1.29	LAA	9	99	99	158.6
B	MARKSMAN (3.2SC)	1.4	LAA	11			
8A	DUAL II (7.8EC)	2.25	LAA	9	94	86	152.9
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9			
9A	HARNESS (7EC)	1.8	LAA	9	99	96	164.9
B	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9			
10A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	96	177.5
B	POAST (1.5EC)	0.188	LAA	11			
C	£COC	1.00	PMV	11			
11A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	98	95	157.2
B	ACCENT (75WG)	0.031	LAA	11			
C	£COC	1.00	PMV	11			
12A	£PERMIT	0.031	LAA	11	99	93	139.1
B	CLARITY (4SL)	0.125	LAA	11			
C	POAST (1.5EC)	0.188	LAA	11			
D	£COC	1.00	PMV	11			
13A	£PERMIT	0.031	LAA	11	99	98	159.4
B	CLARITY (4SL)	0.125	LAA	11			
C	ACCENT (75WG)	0.031	LAA	11			
D	£COC	1.00	PMV	11			
14A	UNTREATED CHECK	0.00	NA	0	0	0	82.9
15A	MARKSMAN (3.2SC)	1.4	LAA	11	99	99	146.2
B	POAST (1.5EC)	0.188	LAA	11			
C	£COC	1.00	PMV	11			
16A	MARKSMAN (3.2SC)	1.4	LAA	11	99	99	170.0
B	ACCENT (75WG)	0.031	LAA	11			
C	£ACTIVATE PLUS	0.25	PMV	11			
17A	EXTRAZINE II DF (90WG)	4.00	LAA	9	98	98	171.7
B	POAST (1.5EC)	0.188	LAA	11			
C	£COC	1.00	PMV	11			
18A	EXTRAZINE II DF (90WG)	4.00	LAA	9	99	99	163.6
B	ACCENT (75WG)	0.031	LAA	11			
C	£COC	1.00	PMV	11			
19A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	96	90	160.9
B	POAST (1.5EC)	0.188	LAA	11			
C	£COC	1.00	PMV	11			
D	POAST (1.5EC)	0.188	LAA	13			
E	£COC	1.00	PMV	13			
20A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	98	88	168.9
B	POAST (1.5EC)	0.094	LAA	10			
C	£FRONTIER 6.0EC	0.94	LAA	10			
D	£COC	1.00	PMV	10			
21A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	99	96	155.8
B	ACCENT (75WG)	0.016	LAA	10			
C	£FRONTIER 6.0EC	0.94	LAA	10			
D	£COC	1.00	PMV	10			

TRIAL # US 115/96/01 001 01 - SRCSYS1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 06-29-96	DATST CON % 06-29-96	YIELD BU/A 10-07-96
22	A£FRONTIER 6.0EC	0.94	LAA	10	99	99	159.1
	B£LADDOK S12	1.04	LAA	10			
	C POAST (1.5EC)	0.094	LAA	10			
	D£COC	1.00	PMV	10			
23	A£FRONTIER 6.0EC	0.94	LAA	10	99	99	163.9
	B CLARITY (4SL)	0.5	LAA	10			
	C ACCENT (75WG)	0.016	LAA	10			
	D£ACTIVATE PLUS	0.25	PMV	10			
24	A£HAND WEEDED	0.00	NA	0	99	99	170.2
		LSD (0.05)			4.1	8.9	33.7
		STANDARD DEVIATION			19.7	20.1	26.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN POAST COMPATIBLE CORN II
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-17-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	71	56	67	½F
% REL.HUMIDITY	33	60	80	
WIND DIRECTION	SOUTHWEST	EAST	WEST	
WIND SPEED	12.0	5.0	7.0	M/H
SKY CONDITION	CLEAR	CLOUDY	CLOUDY	
LEAF MOISTURE	DRY	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/14	
DEKALB 592SR	****/****	4.00/5.00	8.00/10.0	IN
04-17-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	3.00/3.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
RAGWEED, COMMON	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/16	
	****/****	1.00/2.00	2.00/4.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/14	HGH/17	
	****/****	3.00/5.00	4.00/8.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/3.00	3.00/5.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 116/96/01 001 01 - SRCSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-17-96	SETFA CON % 06-17-96	POLPY CON % 06-17-96	AMACH CON % 06-17-96	AMBEL CON % 06-17-96	ABUTH CON % 06-17-96
1A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	75	92	92	90	80
2A	ATRAZINE 90DF (WG)	2.00	LAA	9	0	90	94	93	95	85
3A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	95	94	97	93	82
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
4A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	ATRAZINE 90DF (WG)	0.5	LAA	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	ATRAZINE 90DF (WG)	1.00	LAA	12						
7A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	96	99	99	98	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	LADDOK S-12 (5SC)	1.04	LAA	12						
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	7	98	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	LADDOK S-12 (5SC)	1.04	LAA	12						
F	ATRAZINE 90DF (WG)	0.5	LAA	12						
9A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	95	97	96	95	85
B	ACCENT (75WG)	0.03	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
10A	ATRAZINE 90DF (WG)	1.00	LAA	9	10	96	98	98	98	98
B	ACCENT (75WG)	0.03	LAA	12						
C	BUCTRIL GEL (4EC)	0.25	LAA	12						
D	£ACTIVATE PLUS	0.25	PMV	12						
11A	SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	99
B	LADDOK S-12 (5SC)	1.04	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	SURPASS (6.4EC)	1.25	LAA	9	10	99	99	98	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	LADDOK S-12 (5SC)	1.04	LAA	12						
D	£COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	0	99	99	99	96	99
B	LADDOK S-12 (5SC)	1.04	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	DUAL II (7.8EC)	1.25	LAA	9	7	98	99	98	98	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	LADDOK S-12 (5SC)	1.04	LAA	12						
D	£COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
15A	MARKSMAN (3.2SC)	1.4	LAA	11	0	93	98	99	99	98
B	ACCENT (75WG)	0.03	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
16A	MARKSMAN (3.2SC)	1.4	LAA	11	0	96	99	99	99	96
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-17-96	SETFA CON % 06-17-96	POLPY CON % 06-17-96	AMACH CON % 06-17-96	AMBEL CON % 06-17-96	ABUTH CON % 06-17-96
17A	LADDOK S-12 (5SC)	1.04	LAA	11	0	98	99	99	98	98
B	ATRAZINE 90DF (WG)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	COC	0.625	PMV	12						
F	FERTILIZER - 28%UAN	2.5	PMV	12						
18A	LADDOK S-12 (5SC)	1.04	LAA	11	0	96	99	98	98	99
B	ATRAZINE 90DF (WG)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	ATRAZINE 90DF (WG)	0.5	LAA	12						
F	COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
19A	POAST PLUS (1EC)	0.06	LAA	11	0	99	99	99	99	99
B	2,4-D LVE	0.25	LAA	11						
C	COC	0.625	PMV	11						
D	POAST PLUS (1EC)	0.12	LAA	12						
E	LADDOK S12	1.04	LAA	12						
F	COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
20A	POAST PLUS (1EC)	0.06	LAA	11	7	99	99	99	99	99
B	2,4-D LVE	0.25	LAA	11						
C	COC	0.625	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	LADDOK S12	1.04	LAA	12						
F	COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
21A	POAST PLUS (1EC)	0.19	LAA	12	10	87	96	93	94	93
B	LADDOK S12	1.04	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
22A	POAST PLUS (1EC)	0.19	LAA	12	13	95	99	99	98	99
B	LADDOK S12	0.75	LAA	12						
C	ATRAZINE 90DF (WG)	0.75	LAA	12						
D	COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
23A	ACCENT (75WG)	0.03	LAA	12	13	83	96	96	97	92
B	BUCTRIL+ATRAZ.	0.75	LAA	12						
C	ATRAZINE 90DF (WG)	0.5	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
24A	POAST PLUS (1EC)	0.22	LAA	12	17	90	95	96	96	95
B	LADDOK S12	1.21	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				4.7	4.8	3.0	4.1	3.7	5.3
	STANDARD DEVIATION				5.9	19.9	19.7	19.7	19.7	20.1

TRIAL # US 116/96/01 001 01 - SRCSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-17-96	ZEAMD CON % 07-01-96	SETFA CON % 07-01-96	POLPY CON % 07-01-96	AMACH CON % 07-01-96	AMBEL CON % 07-01-96
1A	ATRAZINE 90DF (WG)	1.00	LAA	9	92	0	68	87	85	87
2A	ATRAZINE 90DF (WG)	2.00	LAA	9	95	0	82	93	93	94
3A	ATRAZINE 90DF (WG)	1.00	LAA	9	96	0	98	95	93	93
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
4A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	ATRAZINE 90DF (WG)	0.5	LAA	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	ATRAZINE 90DF (WG)	1.00	LAA	12						
7A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	LADDOK S-12 (5SC)	1.04	LAA	12						
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
E	LADDOK S-12 (5SC)	1.04	LAA	12						
F	ATRAZINE 90DF (WG)	0.5	LAA	12						
9A	ATRAZINE 90DF (WG)	1.00	LAA	9	93	0	98	99	99	99
B	ACCENT (75WG)	0.03	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
10A	ATRAZINE 90DF (WG)	1.00	LAA	9	98	0	98	99	99	99
B	ACCENT (75WG)	0.03	LAA	12						
C	BUCTRIL GEL (4EC)	0.25	LAA	12						
D	£ACTIVATE PLUS	0.25	PMV	12						
11A	SURPASS (6.4EC)	2.00	LAA	9	99	0	99	99	99	99
B	LADDOK S-12 (5SC)	1.04	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	SURPASS (6.4EC)	1.25	LAA	9	98	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	LADDOK S-12 (5SC)	1.04	LAA	12						
D	£COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	99	0	96	99	99	99
B	LADDOK S-12 (5SC)	1.04	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	DUAL II (7.8EC)	1.25	LAA	9	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	LADDOK S-12 (5SC)	1.04	LAA	12						
D	£COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
15A	MARKSMAN (3.2SC)	1.4	LAA	11	99	0	99	99	99	99
B	ACCENT (75WG)	0.03	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
16A	MARKSMAN (3.2SC)	1.4	LAA	11	99	0	99	99	99	99
B	POAST PLUS (1EC)	0.19	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 116/96/01 001 01 - SRCSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-17-96	ZEAMD CON % 07-01-96	SETFA CON % 07-01-96	POLPY CON % 07-01-96	AMACH CON % 07-01-96	AMBEL CON % 07-01-96
17A	LADDOK S-12 (5SC)	1.04	LAA	11	99	0	99	99	99	99
B	ATRAZINE 90DF (WG)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	£COC	0.625	PMV	12						
F	FERTILIZER - 28%UAN	2.5	PMV	12						
18A	LADDOK S-12 (5SC)	1.04	LAA	11	98	0	99	99	99	99
B	ATRAZINE 90DF (WG)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	ATRAZINE 90DF (WG)	0.5	LAA	12						
F	£COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
19A	POAST PLUS (1EC)	0.06	LAA	11	96	0	99	99	99	99
B	£2,4-D LVE	0.25	LAA	11						
C	£COC	0.625	PMV	11						
D	POAST PLUS (1EC)	0.12	LAA	12						
E	£LADDOK S12	1.04	LAA	12						
F	£COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
20A	POAST PLUS (1EC)	0.06	LAA	11	99	0	99	99	99	99
B	£2,4-D LVE	0.25	LAA	11						
C	£COC	0.625	PMV	11						
D	POAST PLUS (1EC)	0.19	LAA	12						
E	£LADDOK S12	1.04	LAA	12						
F	£COC	0.625	PMV	12						
G	FERTILIZER - 28%UAN	2.5	PMV	12						
21A	POAST PLUS (1EC)	0.19	LAA	12	94	0	83	96	78	96
B	£LADDOK S12	1.04	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
22A	POAST PLUS (1EC)	0.19	LAA	12	99	0	94	98	99	99
B	£LADDOK S12	0.75	LAA	12						
C	ATRAZINE 90DF (WG)	0.75	LAA	12						
D	£COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
23A	ACCENT (75WG)	0.03	LAA	12	96	0	98	99	99	99
B	£BUCTRIL+ATRAZ.	0.75	LAA	12						
C	ATRAZINE 90DF (WG)	0.5	LAA	12						
D	£ACTIVATE PLUS	0.25	PMV	12						
24A	POAST PLUS (1EC)	0.22	LAA	12	96	0	93	99	96	99
B	£LADDOK S12	1.21	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				4.1	0.0	4.6	3.1	5.2	2.7
	STANDARD DEVIATION				19.7	0.0	20.5	19.8	20.1	19.8

TRIAL # US 116/96/01 001 01 - SRCSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96
1A	ATRAZINE 90DF (WG)	1.00	LAA	9	73	87
2A	ATRAZINE 90DF (WG)	2.00	LAA	9	82	96
3A	ATRAZINE 90DF (WG)	1.00	LAA	9	80	95
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
4A	ATRAZINE 90DF (WG)	1.00	LAA	9	98	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
E	ATRAZINE 90DF (WG)	0.5	LAA	12		
5A	UNTREATED CHECK	0.00	NA	0	0	0
6A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
E	ATRAZINE 90DF (WG)	1.00	LAA	12		
7A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
E	LADDOK S-12 (5SC)	1.04	LAA	12		
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
E	LADDOK S-12 (5SC)	1.04	LAA	12		
F	ATRAZINE 90DF (WG)	0.5	LAA	12		
9A	ATRAZINE 90DF (WG)	1.00	LAA	9	92	99
B	ACCENT (75WG)	0.03	LAA	12		
C	£COC	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
10A	ATRAZINE 90DF (WG)	1.00	LAA	9	98	99
B	ACCENT (75WG)	0.03	LAA	12		
C	BUCTRIL GEL (4EC)	0.25	LAA	12		
D	£ACTIVATE PLUS	0.25	PMV	12		
11A	SURPASS (6.4EC)	2.00	LAA	9	99	99
B	LADDOK S-12 (5SC)	1.04	LAA	12		
C	FERTILIZER - 28%UAN	2.5	PMV	12		
12A	SURPASS (6.4EC)	1.25	LAA	9	99	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	LADDOK S-12 (5SC)	1.04	LAA	12		
D	£COC	0.625	PMV	12		
E	FERTILIZER - 28%UAN	2.5	PMV	12		
13A	DUAL II (7.8EC)	2.00	LAA	9	98	99
B	LADDOK S-12 (5SC)	1.04	LAA	12		
C	FERTILIZER - 28%UAN	2.5	PMV	12		
14A	DUAL II (7.8EC)	1.25	LAA	9	99	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	LADDOK S-12 (5SC)	1.04	LAA	12		
D	£COC	0.625	PMV	12		
E	FERTILIZER - 28%UAN	2.5	PMV	12		
15A	MARKSMAN (3.2SC)	1.4	LAA	11	98	99
B	ACCENT (75WG)	0.03	LAA	12		
C	£COC	1.00	PMV	12		
D	FERTILIZER - 28%UAN	2.5	PMV	12		
16A	MARKSMAN (3.2SC)	1.4	LAA	11	98	99
B	POAST PLUS (1EC)	0.19	LAA	12		
C	£COC	1.00	PMV	12		
D	FERTILIZER - 28%UAN	2.5	PMV	12		

TRIAL # US 116/96/01 001 01 - SRCSYS2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96
17A	LADDOK S-12 (5SC)	1.04	LAA	11	99	99
B	ATRAZINE 90DF (WG)	0.5	LAA	11		
C	FERTILIZER - 28%UAN	2.5	PMV	11		
D	POAST PLUS (1EC)	0.19	LAA	12		
E£COC		0.625	PMV	12		
F	FERTILIZER - 28%UAN	2.5	PMV	12		
18A	LADDOK S-12 (5SC)	1.04	LAA	11	99	99
B	ATRAZINE 90DF (WG)	0.5	LAA	11		
C	FERTILIZER - 28%UAN	2.5	PMV	11		
D	POAST PLUS (1EC)	0.19	LAA	12		
E	ATRAZINE 90DF (WG)	0.5	LAA	12		
F£COC		0.625	PMV	12		
G	FERTILIZER - 28%UAN	2.5	PMV	12		
19A	POAST PLUS (1EC)	0.06	LAA	11	99	99
B£2,4-D LVE		0.25	LAA	11		
C£COC		0.625	PMV	11		
D	POAST PLUS (1EC)	0.12	LAA	12		
E£LADDOK S12		1.04	LAA	12		
F£COC		0.625	PMV	12		
G	FERTILIZER - 28%UAN	2.5	PMV	12		
20A	POAST PLUS (1EC)	0.06	LAA	11	99	99
B£2,4-D LVE		0.25	LAA	11		
C£COC		0.625	PMV	11		
D	POAST PLUS (1EC)	0.19	LAA	12		
E£LADDOK S12		1.04	LAA	12		
F£COC		0.625	PMV	12		
G	FERTILIZER - 28%UAN	2.5	PMV	12		
21A	POAST PLUS (1EC)	0.19	LAA	12	90	96
B£LADDOK S12		1.04	LAA	12		
C£COC		0.625	PMV	12		
D	FERTILIZER - 28%UAN	2.5	PMV	12		
22A	POAST PLUS (1EC)	0.19	LAA	12	99	99
B£LADDOK S12		0.75	LAA	12		
C	ATRAZINE 90DF (WG)	0.75	LAA	12		
D£COC		0.625	PMV	12		
E	FERTILIZER - 28%UAN	2.5	PMV	12		
23A	ACCENT (75WG)	0.03	LAA	12	96	99
B£BUCTRIL+ATRAZ.		0.75	LAA	12		
C	ATRAZINE 90DF (WG)	0.5	LAA	12		
D£ACTIVATE PLUS		0.25	PMV	12		
24A	POAST PLUS (1EC)	0.22	LAA	12	98	99
B£LADDOK S12		1.21	LAA	12		
C£COC		0.625	PMV	12		
D	FERTILIZER - 28%UAN	2.5	PMV	12		
		LSD (0.05)			4.5	2.7
		STANDARD DEVIATION			20.3	19.8

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF BROADLEAF WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	56	63	½F
% REL.HUMIDITY	60	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	5.0	8.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/13	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
*** PEST ***			
PIGWEED, SMOOTH	HGH/14	HGH/NA	
	1.00/2.00	****/****	IN
JIMSONWEED	HGH/12	HGH/NA	
	2.00/2.00	****/****	IN
SMARTWEED, PENNS	HGH/14	HGH/NA	
	3.00/5.00	****/****	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	2.00/3.00	4.00/6.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 310/96/01 001 01 - CBDTANK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-18-96	SETFA CON % 06-18-96	POLPY CON % 06-18-96	AMACH CON % 06-18-96	DATST CON % 06-18-96	ZEAMD CON % 06-28-96
1A	£LADDOK S12	1.04	LAA	11	0	93	83	80	99	2
B	FERTILIZER - 28%UAN	2.5	PMV	11						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
2A	£LADDOK S12	1.04	LAA	11	0	90	87	70	99	2
B	POAST PLUS (1EC)	0.188	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A	BASAGRAN (4SL)	0.75	LAA	11	3	85	87	68	87	3
B	£2,4-D LVE	0.046	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.188	LAA	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	BASAGRAN (4SL)	0.75	LAA	11	3	78	82	30	92	3
B	£2,4-D LVE	0.046	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
6A	MARKSMAN (3.2SC)	1.4	LAA	11	3	95	96	98	98	2
B	POAST PLUS (1EC)	0.188	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	MARKSMAN (3.2SC)	1.4	LAA	11	3	95	96	98	98	0
B	POAST PLUS (1EC)	0.188	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
8A	BASAGRAN (4SL)	0.75	LAA	11	3	93	96	93	98	5
B	SENCOR DF (75WG)	0.094	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.188	LAA	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	BASAGRAN (4SL)	0.75	LAA	11	5	87	90	73	88	2
B	SENCOR DF (75WG)	0.094	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
10A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	2	90	68	82	93	3
B	POAST PLUS (1EC)	0.188	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	0	90	83	82	95	0
B	POAST PLUS (1EC)	0.188	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
12A	CLARITY (4SL)	0.5	LAA	11	2	87	93	83	95	2
B	POAST PLUS (1EC)	0.188	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	CLARITY (4SL)	0.5	LAA	11	5	95	98	99	99	2
B	POAST PLUS (1EC)	0.188	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
14A	SENCOR DF (75WG)	0.094	LAA	11	3	93	80	93	95	5
B	£2,4-D LVE	0.25	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.188	LAA	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
15A	SENCOR DF (75WG)	0.094	LAA	11	10	93	80	92	80	8
B	£2,4-D LVE	0.25	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
16A	£2,4-D LVE	0.38	LAA	11	3	92	93	95	90	2
B	CLARITY (4SL)	0.125	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
17A	£2,4-D LVE	0.38	LAA	11	7	93	88	95	92	3
B	CLARITY (4SL)	0.125	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						

TRIAL # US 310/96/01 001 01 - CBDTANK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-18-96	SETFA CON % 06-18-96	POLPY CON % 06-18-96	AMACH CON % 06-18-96	DATST CON % 06-18-96	ZEAMD CON % 06-28-96
18A	BASAGRAN (4SL)	0.75	LAA	11	0	96	96	95	98	0
B	ETOUGH 5EC	0.46	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	POAST PLUS (1EC)	0.188	LAA	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
19A	BASAGRAN (4SL)	0.75	LAA	11	7	77	80	87	96	2
B	ETOUGH 5EC	0.46	LAA	11						
C	POAST PLUS (1EC)	0.188	LAA	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
20A	ESCORPION III 84.3WG	0.21	LAA	11	2	90	80	88	90	3
B	EACTIVATE PLUS	0.25	PMV	11						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
21A	ESCORPION III 84.3WG	0.21	LAA	11	2	87	82	87	92	2
B	POAST PLUS (1EC)	0.188	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
	LSD (0.05)				5.9	6.9	12.3	12.6	6.9	5.2
	STANDARD DEVIATION				3.8	20.2	20.9	24.2	20.8	3.3

TRIAL # US 310/96/01 001 01 - CBDTANK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-28-96	POLPY CON % 06-28-96	AMACH CON % 06-28-96	DATST CON % 06-28-96
1A	£LADDOK S12	1.04	LAA	11	92	86	80	99
B	FERTILIZER - 28%UAN	2.5	PMV	11				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
2A	£LADDOK S12	1.04	LAA	11	83	92	78	99
B	POAST PLUS (1EC)	0.188	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
4A	BASAGRAN (4SL)	0.75	LAA	11	93	88	62	93
B	£2,4-D LVE	0.046	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
D	POAST PLUS (1EC)	0.188	LAA	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
5A	BASAGRAN (4SL)	0.75	LAA	11	73	80	20	93
B	£2,4-D LVE	0.046	LAA	11				
C	POAST PLUS (1EC)	0.188	LAA	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
6A	MARKSMAN (3.2SC)	1.4	LAA	11	95	99	99	99
B	POAST PLUS (1EC)	0.188	LAA	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
7A	MARKSMAN (3.2SC)	1.4	LAA	11	93	98	98	99
B	POAST PLUS (1EC)	0.188	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
8A	BASAGRAN (4SL)	0.75	LAA	11	93	96	90	94
B	SENCOR DF (75WG)	0.094	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
D	POAST PLUS (1EC)	0.188	LAA	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
9A	BASAGRAN (4SL)	0.75	LAA	11	77	93	67	94
B	SENCOR DF (75WG)	0.094	LAA	11				
C	POAST PLUS (1EC)	0.188	LAA	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
10A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	93	80	80	94
B	POAST PLUS (1EC)	0.188	LAA	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
11A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	78	83	73	99
B	POAST PLUS (1EC)	0.188	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
12A	CLARITY (4SL)	0.5	LAA	11	87	85	86	94
B	POAST PLUS (1EC)	0.188	LAA	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
13A	CLARITY (4SL)	0.5	LAA	11	90	95	96	99
B	POAST PLUS (1EC)	0.188	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
14A	SENCOR DF (75WG)	0.094	LAA	11	93	85	96	93
B	£2,4-D LVE	0.25	LAA	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
D	POAST PLUS (1EC)	0.188	LAA	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
15A	SENCOR DF (75WG)	0.094	LAA	11	87	85	90	88
B	£2,4-D LVE	0.25	LAA	11				
C	POAST PLUS (1EC)	0.188	LAA	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
16A	£2,4-D LVE	0.38	LAA	11	93	96	98	96
B	CLARITY (4SL)	0.125	LAA	11				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
17A	£2,4-D LVE	0.38	LAA	11	87	96	98	98
B	CLARITY (4SL)	0.125	LAA	11				
C	POAST PLUS (1EC)	0.188	LAA	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				

TRIAL # US 310/96/01 001 01 - CBDTANK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-28-96	POLPY CON % 06-28-96	AMACH CON % 06-28-96	DATST CON % 06-28-96
18	A BASAGRAN (4SL)	0.75	LAA	11	92	98	90	99
	B£TOUGH 5EC	0.46	LAA	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
	D POAST PLUS (1EC)	0.188	LAA	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
19	A BASAGRAN (4SL)	0.75	LAA	11	73	83	85	96
	B£TOUGH 5EC	0.46	LAA	11				
	C POAST PLUS (1EC)	0.188	LAA	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
20	A£SCORPION III 84.3WG	0.21	LAA	11	90	87	90	95
	B£ACTIVATE PLUS	0.25	PMV	11				
	C POAST PLUS (1EC)	0.188	LAA	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
21	A£SCORPION III 84.3WG	0.21	LAA	11	80	90	80	95
	B POAST PLUS (1EC)	0.188	LAA	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
	LSD (0.05)				7.9	15.4	14.1	9.3
	STANDARD DEVIATION				20.2	21.5	25.6	21.1

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN I
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	57	72	½F
% REL.HUMIDITY	60	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/8.00	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/14	
	1.00/2.00	3.00/3.00	IN
PIGWEED, SMOOTH	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/14	HGH/17	
	2.00/3.00	4.00/5.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 311/96/01 001 01 - CPOBDL1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 06-17-96	AMACH CON % 06-17-96	ABUTH CON % 06-17-96	CHEAL CON % 06-17-96	AMBEL CON % 06-17-96	POLPY CON % 07-08-96
1A	£SCORPION III 84.3WG	0.21	LAA	11	99	99	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
2A	£BROADSTRIKE PLUS	0.09	LAA	11	97	93	99	99	99	95
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
3A	£BROADSTRIKE PLUS	0.17	LAA	11	99	99	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
4A	MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99	99	99
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	CLARITY (4SL)	0.5	LAA	11	99	99	99	99	99	99
	B FERTILIZER - 28%UAN	2.5	LAA	11						
7A	SENCOR DF (75WG)	0.094	LAA	11	99	99	99	99	99	99
	B CLARITY (4SL)	0.5	LAA	11						
8A	SENCOR DF (75WG)	0.036	LAA	11	94	99	99	99	99	92
	B£2,4-D LVE	0.18	LAA	11						
9A	SENCOR DF (75WG)	0.094	LAA	11	99	99	99	99	99	99
	B MARKSMAN (3.2SC)	0.8	LAA	11						
10A	£TOUGH 5EC	0.7	LAA	11	94	99	99	99	99	90
	B ATRAZINE 90DF (WG)	1.00	LAA	11						
	C£COC	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
11A	£TOUGH 5EC	0.47	LAA	12	99	99	99	99	99	99
	B BANVEL (4SL)	0.25	LAA	12						
12A	£SAN1269H 70WG	0.263	LAA	11	99	96	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
13A	£SAN1269H 70WG	0.35	LAA	11	99	99	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
14A	£EXCEED	0.036	LAA	12	99	99	99	98	99	99
	B£COC	1.00	PMV	12						
15A	£EXCEED	0.036	LAA	12	99	99	99	99	99	99
	B BANVEL (4SL)	0.063	LAA	12						
	C£COC	1.00	PMV	12						
16A	£EXCEED	0.036	LAA	12	99	99	99	99	99	99
	B BANVEL (4SL)	0.125	LAA	12						
	C£COC	1.00	PMV	12						
17A	PERMIT (75WG)	0.031	LAA	12	87	78	96	63	85	82
	B£COC	1.00	PMV	12						
18A	PERMIT (75WG)	0.031	LAA	12	82	97	98	79	99	82
	B BANVEL (4SL)	0.063	LAA	12						
	C£COC	1.00	PMV	12						
19A	PERMIT (75WG)	0.031	LAA	12	97	99	99	93	99	95
	B BANVEL (4SL)	0.125	LAA	12						
	C£COC	1.00	PMV	12						
20A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	99	99	99	99	99	94
21A	£BROADSTRIKE PLUS	0.09	LAA	12	93	88	98	87	96	88
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
22A	£BROADSTRIKE PLUS	0.17	LAA	12	99	96	99	96	99	99
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 311/96/01 001 01 - CPOBDL1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 06-17-96	AMACH CON % 06-17-96	ABUTH CON % 06-17-96	CHEAL CON % 06-17-96	AMBEL CON % 06-17-96	POLPY CON % 07-08-96
23AESAN1269H 70WG	0.175	LAA	12	99	99	99	99	99	99
BEACTIVATE PLUS	0.25	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
24AESAN1269H 70WG	0.263	LAA	12	99	99	99	99	99	99
BEACTIVATE PLUS	0.25	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
25AELADDOK S12	1.04	LAA	12	99	96	99	99	99	99
BECOC	1.00	PMV	12						
26A SENCOR DF (75WG)	0.094	LAA	12	83	99	99	99	99	81
B BUCTRIL GEL (4EC)	0.25	LAA	12						
27A SENCOR DF (75WG)	0.094	LAA	12	99	99	99	99	99	99
BELADDOK S12	0.83	LAA	12						
C FERTILIZER - 28%UAN	2.00	PMV	12						
LSD (0.05)				3.9	3.5	1.9	3.5	1.8	3.7
STANDARD DEVIATION				19.0	18.9	18.7	19.8	18.8	19.0

TRIAL # US 311/96/01 001 01 - CPOBDL1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 07-08-96	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	AMBEL CON % 07-08-96
1A	£SCORPION III 84.3WG	0.21	LAA	11	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
2A	£BROADSTRIKE PLUS	0.09	LAA	11	90	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
3A	£BROADSTRIKE PLUS	0.17	LAA	11	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
4A	MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A	CLARITY (4SL)	0.5	LAA	11	99	99	99	99
	B FERTILIZER - 28%UAN	2.5	LAA	11				
7A	SENCOR DF (75WG)	0.094	LAA	11	99	99	99	99
	B CLARITY (4SL)	0.5	LAA	11				
8A	SENCOR DF (75WG)	0.036	LAA	11	99	99	99	99
	B£2,4-D LVE	0.18	LAA	11				
9A	SENCOR DF (75WG)	0.094	LAA	11	99	99	99	99
	B MARKSMAN (3.2SC)	0.8	LAA	11				
10A	£TOUGH 5EC	0.7	LAA	11	99	99	99	99
	B ATRAZINE 90DF (WG)	1.00	LAA	11				
	C£COC	1.00	PMV	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
11A	£TOUGH 5EC	0.47	LAA	12	99	99	99	99
	B BANVEL (4SL)	0.25	LAA	12				
12A	£SAN1269H 70WG	0.263	LAA	11	97	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	1.25	PMV	11				
13A	£SAN1269H 70WG	0.35	LAA	11	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	1.25	PMV	11				
14A	£EXCEED	0.036	LAA	12	99	99	96	99
	B£COC	1.00	PMV	12				
15A	£EXCEED	0.036	LAA	12	99	99	99	99
	B BANVEL (4SL)	0.063	LAA	12				
	C£COC	1.00	PMV	12				
16A	£EXCEED	0.036	LAA	12	99	99	99	99
	B BANVEL (4SL)	0.125	LAA	12				
	C£COC	1.00	PMV	12				
17A	PERMIT (75WG)	0.031	LAA	12	75	93	58	75
	B£COC	1.00	PMV	12				
18A	PERMIT (75WG)	0.031	LAA	12	90	94	75	99
	B BANVEL (4SL)	0.063	LAA	12				
	C£COC	1.00	PMV	12				
19A	PERMIT (75WG)	0.031	LAA	12	98	99	85	99
	B BANVEL (4SL)	0.125	LAA	12				
	C£COC	1.00	PMV	12				
20A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	99	99	99	99
21A	£BROADSTRIKE PLUS	0.09	LAA	12	82	95	86	95
	B£ACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
22A	£BROADSTRIKE PLUS	0.17	LAA	12	97	99	98	99
	B£ACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				

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TRIAL # US 311/96/01 001 01 - CPOBDL1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 07-08-96	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	AMBEL CON % 07-08-96
23A£SAN1269H 70WG	0.175	LAA	12	99	99	99	99
B£ACTIVATE PLUS	0.25	PMV	12				
C FERTILIZER - 28%UAN	1.25	PMV	12				
24A£SAN1269H 70WG	0.263	LAA	12	99	99	99	99
B£ACTIVATE PLUS	0.25	PMV	12				
C FERTILIZER - 28%UAN	1.25	PMV	12				
25A£LADDOK S12	1.04	LAA	12	98	99	99	99
B£COC	1.00	PMV	12				
26A SENCOR DF (75WG)	0.094	LAA	12	99	99	99	99
B BUCTRIL GEL (4EC)	0.25	LAA	12				
27A SENCOR DF (75WG)	0.094	LAA	12	99	99	99	99
B£LADDOK S12	0.83	LAA	12				
C FERTILIZER - 28%UAN	2.00	PMV	12				
LSD (0.05)				2.9	2.1	4.5	2.1
STANDARD DEVIATION				19.1	18.7	20.3	19.1

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN II
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	55	67	½F
% REL.HUMIDITY	60	80	
WIND DIRECTION	SOUTHEAST	NORTHWEST	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/14	
	1.00/2.00	3.00/3.00	IN
PIGWEED, SMOOTH	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/4.00	IN
JIMSONWEED	HGH/12	HGH/14	
	2.00/2.00	3.00/4.00	IN
SMARTWEED, PENNS	HGH/14	HGH/18	
	4.00/5.00	4.00/8.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.19 lb Poast Plus 6-13-96

TRIAL # US 312/96/01 001 01 - CPOBDL2

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-18-96	POLPY CON % 06-18-96	DATST CON % 06-18-96	CHEAL CON % 06-18-96	AMACH CON % 06-18-96	ABUTH CON % 06-18-96
1A£ACTION 4.75WP	0.0035	LAA	11	0	40	50	47	47	99
B£ACTIVATE PLUS	0.25	PMV	11						
2A£ACTION 4.75WP	0.0045	LAA	11	0	47	70	72	57	97
B£ACTIVATE PLUS	0.25	PMV	11						
3A BANVEL (4SL)	0.25	LAA	11	0	99	88	96	96	96
B£ACTIVATE PLUS	0.25	PMV	11						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A£2,4-D LVE	0.25	LAA	11	0	65	65	96	72	65
B£ACTIVATE PLUS	0.25	PMV	11						
6A MARKSMAN (3.2SC)	1.4	LAA	11	0	99	99	99	99	99
B£ACTIVATE PLUS	0.25	PMV	11						
7A£ACTION 4.75WP	0.0035	LAA	11	0	88	98	99	98	99
B BANVEL (4SL)	0.25	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
8A£ACTION 4.75WP	0.0035	LAA	11	0	48	75	93	75	96
B£2,4-D LVE	0.25	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
9A£ACTION 4.75WP	0.0035	LAA	11	0	99	99	99	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
10A RESOURCE (0.86EC)	0.027	LAA	12	0	98	99	99	99	99
B ATRAZINE 90DF (WG)	1.00	LAA	12						
C£COC	1.00	PMV	12						
11A RESOURCE (0.86EC)	0.027	LAA	11	0	99	99	99	99	99
B MARKSMAN (3.2SC)	1.4	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
12A£ACTION 4.75WP	0.0035	LAA	12	0	67	88	67	78	97
B£COC	1.00	PMV	12						
13A£ACTION 4.75WP	0.0045	LAA	12	0	72	88	82	80	99
B£COC	1.00	PMV	12						
14A£ACTION 4.75WP	0.0035	LAA	12	0	93	98	99	93	99
B ATRAZINE 90DF (WG)	1.00	LAA	12						
C£COC	1.00	PMV	12						
15A£F8426	0.008	LAA	11	3	96	99	99	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	11						
C£COC	1.00	PMV	11						
16A£F8426	0.015	LAA	11	3	99	99	99	99	99
B ATRAZINE 90DF (WG)	0.5	LAA	11						
C£COC	1.00	PMV	11						
17A£F8426	0.008	LAA	11	0	93	99	99	99	99
B BANVEL (4SL)	0.125	LAA	11						
C£COC	1.00	PMV	11						
18A£F8426	0.015	LAA	11	2	99	99	99	99	99
B BANVEL (4SL)	0.125	LAA	11						
C£COC	1.00	PMV	11						
19A£F8426	0.015	LAA	11	0	68	96	96	96	86
B£ACTIVATE PLUS	0.25	PMV	11						
20A£F8426	0.023	LAA	11	0	78	99	95	96	93
B£ACTIVATE PLUS	0.25	PMV	11						
21A£F8426	0.031	LAA	11	12	82	94	96	99	91
B£ACTIVATE PLUS	0.25	PMV	11						
LSD (0.05)				4.1	8.0	6.0	5.1	6.0	6.3
STANDARD DEVIATION				3.3	25.9	23.6	23.8	24.3	21.9

TRIAL # US 312/96/01 001 01 - CPOBDL2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-03-96	POLPY CON % 07-03-96	DATST CON % 07-03-96	CHEAL CON % 07-03-96	AMACH CON % 07-03-96	ABUTH CON % 07-03-96
1A	£ACTION 4.75WP	0.0035	LAA	11	0	37	67	37	47	97
	B£ACTIVATE PLUS	0.25	PMV	11						
2A	£ACTION 4.75WP	0.0045	LAA	11	0	52	63	87	75	94
	B£ACTIVATE PLUS	0.25	PMV	11						
3A	BANVEL (4SL)	0.25	LAA	11	2	99	99	99	93	97
	B£ACTIVATE PLUS	0.25	PMV	11						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	£2,4-D LVE	0.25	LAA	11	0	70	77	96	96	92
	B£ACTIVATE PLUS	0.25	PMV	11						
6A	MARKSMAN (3.2SC)	1.4	LAA	11	2	99	99	99	99	98
	B£ACTIVATE PLUS	0.25	PMV	11						
7A	£ACTION 4.75WP	0.0035	LAA	11	3	95	99	99	99	98
	B BANVEL (4SL)	0.25	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
8A	£ACTION 4.75WP	0.0035	LAA	11	0	72	89	97	94	98
	B£2,4-D LVE	0.25	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
9A	£ACTION 4.75WP	0.0035	LAA	11	3	99	99	99	99	97
	B MARKSMAN (3.2SC)	1.4	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
10A	RESOURCE (0.86EC)	0.027	LAA	12	2	99	99	99	99	99
	B ATRAZINE 90DF (WG)	1.00	LAA	12						
	C£COC	1.00	PMV	12						
11A	RESOURCE (0.86EC)	0.027	LAA	11	0	99	99	99	99	99
	B MARKSMAN (3.2SC)	1.4	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
12A	£ACTION 4.75WP	0.0035	LAA	12	0	80	99	93	83	99
	B£COC	1.00	PMV	12						
13A	£ACTION 4.75WP	0.0045	LAA	12	3	73	96	97	96	98
	B£COC	1.00	PMV	12						
14A	£ACTION 4.75WP	0.0035	LAA	12	2	96	99	99	98	98
	B ATRAZINE 90DF (WG)	1.00	LAA	12						
	C£COC	1.00	PMV	12						
15A	£F8426	0.008	LAA	11	3	92	96	99	99	98
	B ATRAZINE 90DF (WG)	0.5	LAA	11						
	C£COC	1.00	PMV	11						
16A	£F8426	0.015	LAA	11	3	98	99	99	99	98
	B ATRAZINE 90DF (WG)	0.5	LAA	11						
	C£COC	1.00	PMV	11						
17A	£F8426	0.008	LAA	11	3	97	99	99	99	98
	B BANVEL (4SL)	0.125	LAA	11						
	C£COC	1.00	PMV	11						
18A	£F8426	0.015	LAA	11	0	98	95	99	98	97
	B BANVEL (4SL)	0.125	LAA	11						
	C£COC	1.00	PMV	11						
19A	£F8426	0.015	LAA	11	7	67	99	85	92	87
	B£ACTIVATE PLUS	0.25	PMV	11						
20A	£F8426	0.023	LAA	11	3	82	96	93	97	99
	B£ACTIVATE PLUS	0.25	PMV	11						
21A	£F8426	0.031	LAA	11	5	90	99	98	99	96
	B£ACTIVATE PLUS	0.25	PMV	11						
	LSD (0.05)				3.9	9.7	6.5	6.5	7.3	4.5
	STANDARD DEVIATION				2.9	25.3	22.7	24.2	23.4	21.0

£ = SUPPLEMENTAL CHEMICAL

RESOURCE COMBINATIONS FOR WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-07-96	MDY
AIR TEMPERATURE	67	½F
% REL.HUMIDITY	80	
WIND DIRECTION	WEST	
WIND SPEED	7.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/14	
DEKALB 592SR	8.00/10.0	IN
04-17-96		
*** PEST ***		
VELVETLEAF	HGH/14	
	3.00/3.00	IN
PIGWEED, SMOOTH	HGH/14	
	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/16	
	2.00/4.00	IN
JIMSONWEED	HGH/14	
	3.00/4.00	IN
SMARTWEED, PENNS	HGH/18	
	4.00/8.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.19 lb Poast Plus 6-13-96

TRIAL # US 315/96/01 001 01 - CRESORC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-17-96	POLPY CON % 06-17-96	DATST CON % 06-17-96	CHEAL CON % 06-17-96	ABUTH CON % 06-17-96	AMACH CON % 06-17-96
1A	RESOURCE (0.86EC)	0.027	LAA	12	7	50	95	73	99	98
	B£COC	1.00	PMV	12						
2A	BUCTRIL GEL (4EC)	0.125	LAA	12	0	57	95	82	83	63
3A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	80	90	87	85	80
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	BUCTRIL GEL (4EC)	0.5	LAA	12	2	78	88	83	83	80
6A	RESOURCE (0.86EC)	0.027	LAA	12	2	57	93	80	92	78
	B BUCTRIL GEL (4EC)	0.125	LAA	12						
7A	RESOURCE (0.86EC)	0.027	LAA	12	2	85	90	85	90	88
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
8A	SENCOR DF (75WG)	0.094	LAA	12	12	78	82	92	92	82
	B£ACTIVATE PLUS	0.25	PMV	12						
9A	RESOURCE (0.86EC)	0.027	LAA	12	13	78	83	87	92	87
	B SENCOR DF (75WG)	0.094	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
10A	BASAGRAN (4SL)	0.5	LAA	12	2	63	88	77	90	52
	B£COC	1.00	PMV	12						
11A	BASAGRAN (4SL)	0.75	LAA	12	2	90	87	78	91	47
	B£COC	1.00	PMV	12						
12A	RESOURCE (0.86EC)	0.027	LAA	12	10	86	95	88	95	87
	B BASAGRAN (4SL)	0.5	LAA	12						
	C£COC	1.00	PMV	12						
13A	RESOURCE (0.86EC)	0.027	LAA	12	8	91	93	85	92	87
	B BASAGRAN (4SL)	0.75	LAA	12						
	C£COC	1.00	PMV	12						
14A	£EXCEED	0.02	LAA	12	0	72	80	87	78	92
	B£COC	1.00	PMV	12						
15A	£EXCEED	0.027	LAA	12	0	73	80	68	90	88
	B£COC	1.00	PMV	12						
16A	£EXCEED	0.036	LAA	12	0	82	88	83	90	95
	B£COC	1.00	PMV	12						
17A	RESOURCE (0.86EC)	0.027	LAA	12	3	87	95	90	95	95
	B£EXCEED	0.02	LAA	12						
	C£COC	1.00	PMV	12						
18A	RESOURCE (0.86EC)	0.027	LAA	12	5	83	92	88	92	88
	B£EXCEED	0.027	LAA	12						
	C£COC	1.00	PMV	12						
19A	£LADDOK S12	0.83	LAA	12	0	83	93	88	88	85
	B£COC	1.00	PMV	12						
20A	£LADDOK S12	1.45	LAA	12	2	98	99	99	98	98
	B£COC	1.00	PMV	12						
21A	RESOURCE (0.86EC)	0.027	LAA	12	12	93	93	95	96	92
	B£LADDOK S12	0.83	LAA	12						
	C£COC	1.00	PMV	12						
22A	RESOURCE (0.86EC)	0.027	LAA	12	10	95	99	99	98	98
	B£LADDOK S12	1.45	LAA	12						
	C£COC	1.00	PMV	12						
23A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
24A	ATRAZINE 90DF (WG)	0.5	LAA	12	0	83	93	83	78	80
	B BANVEL (4SL)	0.25	LAA	12						
25A	ATRAZINE 90DF (WG)	1.00	LAA	12	0	90	93	92	87	90
	B BANVEL (4SL)	0.25	LAA	12						

TRIAL # US 315/96/01 001 01 - CRESORC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-17-96	POLPY CON % 06-17-96	DATST CON % 06-17-96	CHEAL CON % 06-17-96	ABUTH CON % 06-17-96	AMACH CON % 06-17-96
26A	RESOURCE (0.86EC)	0.027	LAA	12	2	88	96	93	95	91
B	ATRAZINE 90DF (WG)	0.5	LAA	12						
C	BANVEL (4SL)	0.25	LAA	12						
27A	RESOURCE (0.86EC)	0.027	LAA	12	2	90	96	96	93	92
B	ATRAZINE 90DF (WG)	1.00	LAA	12						
C	BANVEL (4SL)	0.25	LAA	12						
	LSD (0.05)				5.0	12.0	9.4	10.1	8.3	11.0
	STANDARD DEVIATION				5.1	25.1	24.9	24.3	24.6	26.0

TRIAL # US 315/96/01 001 01 - CRESORC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-29-96	POLPY CON % 06-29-96	DATST CON % 06-29-96	CHEAL CON % 06-29-96	ABUTH CON % 06-29-96	AMACH CON % 06-29-96
1A	RESOURCE (0.86EC)	0.027	LAA	12	0	72	90	68	96	99
	B£COC	1.00	PMV	12						
2A	BUCTRIL GEL (4EC)	0.125	LAA	12	0	43	88	73	92	83
3A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	90	94	90	93	86
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	BUCTRIL GEL (4EC)	0.5	LAA	12	0	83	93	95	87	85
6A	RESOURCE (0.86EC)	0.027	LAA	12	0	65	96	91	98	93
	B BUCTRIL GEL (4EC)	0.125	LAA	12						
7A	RESOURCE (0.86EC)	0.027	LAA	12	2	88	93	90	96	95
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
8A	SENCOR DF (75WG)	0.094	LAA	12	5	72	92	96	96	88
	B£ACTIVATE PLUS	0.25	PMV	12						
9A	RESOURCE (0.86EC)	0.027	LAA	12	13	72	85	91	93	90
	B SENCOR DF (75WG)	0.094	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
10A	BASAGRAN (4SL)	0.5	LAA	12	0	65	93	80	95	58
	B£COC	1.00	PMV	12						
11A	BASAGRAN (4SL)	0.75	LAA	12	2	87	90	73	98	63
	B£COC	1.00	PMV	12						
12A	RESOURCE (0.86EC)	0.027	LAA	12	2	96	99	91	96	98
	B BASAGRAN (4SL)	0.5	LAA	12						
	C£COC	1.00	PMV	12						
13A	RESOURCE (0.86EC)	0.027	LAA	12	0	93	95	91	96	90
	B BASAGRAN (4SL)	0.75	LAA	12						
	C£COC	1.00	PMV	12						
14A	£EXCEED	0.02	LAA	12	5	85	99	82	95	98
	B£COC	1.00	PMV	12						
15A	£EXCEED	0.027	LAA	12	2	85	99	73	95	99
	B£COC	1.00	PMV	12						
16A	£EXCEED	0.036	LAA	12	2	88	96	82	98	99
	B£COC	1.00	PMV	12						
17A	RESOURCE (0.86EC)	0.027	LAA	12	2	93	96	90	99	99
	B£EXCEED	0.02	LAA	12						
	C£COC	1.00	PMV	12						
18A	RESOURCE (0.86EC)	0.027	LAA	12	5	92	98	92	99	98
	B£EXCEED	0.027	LAA	12						
	C£COC	1.00	PMV	12						
19A	£LADDOK S12	0.83	LAA	12	2	94	88	93	95	91
	B£COC	1.00	PMV	12						
20A	£LADDOK S12	1.45	LAA	12	2	99	99	99	99	96
	B£COC	1.00	PMV	12						
21A	RESOURCE (0.86EC)	0.027	LAA	12	7	99	98	98	99	96
	B£LADDOK S12	0.83	LAA	12						
	C£COC	1.00	PMV	12						
22A	RESOURCE (0.86EC)	0.027	LAA	12	5	96	99	99	98	93
	B£LADDOK S12	1.45	LAA	12						
	C£COC	1.00	PMV	12						
23A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
24A	ATRAZINE 90DF (WG)	0.5	LAA	12	0	88	99	96	93	92
	B BANVEL (4SL)	0.25	LAA	12						
25A	ATRAZINE 90DF (WG)	1.00	LAA	12	2	93	99	96	99	93
	B BANVEL (4SL)	0.25	LAA	12						

TRIAL # US 315/96/01 001 01 - CRESORC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-29-96	POLPY CON % 06-29-96	DATST CON % 06-29-96	CHEAL CON % 06-29-96	ABUTH CON % 06-29-96	AMACH CON % 06-29-96
26A	RESOURCE (0.86EC)	0.027	LAA	12	2	96	98	96	98	96
B	ATRAZINE 90DF (WG)	0.5	LAA	12						
C	BANVEL (4SL)	0.25	LAA	12						
27A	RESOURCE (0.86EC)	0.027	LAA	12	0	96	98	98	98	96
B	ATRAZINE 90DF (WG)	1.00	LAA	12						
C	BANVEL (4SL)	0.25	LAA	12						
	LSD (0.05)				6.3	9.0	9.3	9.3	4.4	12.5
	STANDARD DEVIATION				4.3	26.3	25.7	25.3	25.4	26.6

£ = SUPPLEMENTAL CHEMICAL

ACCENT / EXCEED ADJUVANT EVALUATION IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 35 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-30-96	06-07-96	MDY
AIR TEMPERATURE	55	63	½F
% REL.HUMIDITY	60	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	5.0	8.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/14	
DEKALB 592SR	4.00/5.00	8.00/10.0	IN
04-17-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/NA	
	1.00/2.00	****/****	IN
PIGWEED, SMOOTH	HGH/12	HGH/NA	
	1.00/2.00	****/****	IN
LAMBSQUARTERS, C	HGH/13	HGH/NA	
	1.00/2.00	****/****	IN
JIMSONWEED	HGH/12	HGH/NA	
	2.00/2.00	****/****	IN
SMARTWEED, PENNS	HGH/14	HGH/NA	
	3.00/5.00	****/****	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	2.00/3.00	4.00/6.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 319/96/01 001 01 - CACCEXC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-18-96	POLPY CON % 06-18-96	CHEAL CON % 06-18-96	ABUTH CON % 06-18-96	AMACH CON % 06-18-96	DATST CON % 06-18-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	£EXCEED	0.027	LAA	11	0	90	42	87	92	95
	B POAST PLUS (1EC)	0.188	LAA	12						
3A	£EXCEED	0.027	LAA	11	0	96	72	92	93	95
	B£HM9327	0.25	PMG	11						
	C POAST PLUS (1EC)	0.188	LAA	12						
4A	£EXCEED	0.027	LAA	11	0	92	77	88	87	95
	B£HM9327	0.25	PMG	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	LAA	12						
5A	£EXCEED	0.027	LAA	11	0	92	93	88	91	96
	B£HM8802-A	0.5	PMV	11						
	C POAST PLUS (1EC)	0.188	LAA	12						
6A	£EXCEED	0.027	LAA	11	0	88	93	93	88	95
	B£HM8802-A	0.5	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	LAA	12						
7A	£EXCEED	0.027	LAA	11	55	93	45	92	92	93
	B ACCENT (75WG)	0.012	LAA	11						
8A	£EXCEED	0.027	LAA	11	80	90	72	87	93	96
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9327	0.25	PMV	11						
9A	£EXCEED	0.027	LAA	11	92	86	70	93	93	98
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9327	0.25	PMG	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
10A	£EXCEED	0.027	LAA	11	88	93	93	87	90	99
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM8802-A	0.5	PMV	11						
11A	£EXCEED	0.027	LAA	11	83	96	88	93	93	95
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM8802-A	0.5	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
12A	£EXCEED	0.027	LAA	11	53	98	70	90	93	99
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9208-A	0.2	PMG	11						
	LSD (0.05)				10.0	9.5	10.5	5.7	8.6	4.2
	STANDARD DEVIATION				39.6	26.1	27.2	25.2	25.7	26.7

TRIAL # US 319/96/01 001 01 - CACCEXC

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-01-96	POLPY CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	AMACH CON % 07-01-96	DATST CON % 07-01-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	£EXCEED	0.027	LAA	11	99	93	50	85	88	96
	B POAST PLUS (1EC)	0.188	LAA	12						
3A	£EXCEED	0.027	LAA	11	99	95	77	92	93	98
	B£HM9327	0.25	PMG	11						
	C POAST PLUS (1EC)	0.188	LAA	12						
4A	£EXCEED	0.027	LAA	11	99	93	77	90	90	96
	B£HM9327	0.25	PMG	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	LAA	12						
5A	£EXCEED	0.027	LAA	11	99	90	91	93	93	98
	B£HM8802-A	0.5	PMV	11						
	C POAST PLUS (1EC)	0.188	LAA	12						
6A	£EXCEED	0.027	LAA	11	99	95	95	95	95	98
	B£HM8802-A	0.5	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	LAA	12						
7A	£EXCEED	0.027	LAA	11	45	95	55	92	93	96
	B ACCENT (75WG)	0.012	LAA	11						
8A	£EXCEED	0.027	LAA	11	82	98	77	90	95	96
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9327	0.25	PMV	11						
9A	£EXCEED	0.027	LAA	11	90	95	75	93	93	96
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9327	0.25	PMG	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
10A	£EXCEED	0.027	LAA	11	83	96	96	92	95	99
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM8802-A	0.5	PMV	11						
11A	£EXCEED	0.027	LAA	11	82	98	95	95	95	95
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM8802-A	0.5	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
12A	£EXCEED	0.027	LAA	11	45	98	77	92	95	99
	B ACCENT (75WG)	0.012	LAA	11						
	C£HM9208-A	0.2	PMG	11						
	LSD (0.05)				9.6	5.0	13.5	6.1	5.1	3.8
	STANDARD DEVIATION				30.2	26.5	26.9	25.6	26.0	26.9

£ = SUPPLEMENTAL CHEMICAL

EARLY PREPLANT EVALUALTION OF EXP31130A IN CONVENTIONAL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	05	
TYPE	LIQMXSPR	
APPLICATION DATE	04-08-96	MDY
AIR TEMPERATURE	44	½F
% REL.HUMIDITY	35	
WIND DIRECTION	NORTH	
WIND SPEED	3.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
PIGWEED, SMOOTH	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
JIMSONWEED	HGH/NA	
	****/****	IN
MORNINGGLORY, IV	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
05 = VEPP 15 DBP

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 113/96/01 001 01 - CEXPCON

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-08-96	ABUTH CON % 06-08-96	DATST CON % 06-08-96	CHEAL CON % 06-08-96	IPOHE CON % 06-08-96	AMACH CON % 06-08-96
1A	£EXP31130A	0.094	LAA	5	53	85	80	83	50	85
2A	£EXP31130A	0.141	LAA	5	75	85	82	85	63	85
3A	£EXP31130A	0.094	LAA	5	85	90	88	90	73	90
	B £TOPNOTCH	1.00	LAA	5						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	£EXP31130A	0.141	LAA	5	89	92	91	95	85	94
	B £TOPNOTCH	1.00	LAA	5						
6A	£EXP31130A	0.094	LAA	5	95	96	94	97	88	98
	B £TOPNOTCH	1.5	LAA	5						
7A	£EXP31130A	0.094	LAA	5	96	94	96	96	90	93
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C £TOPNOTCH	1.00	LAA	5						
8A	£EXP31130A	0.094	LAA	5	97	98	98	98	92	95
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C £TOPNOTCH	1.25	LAA	5						
9A	£EXP31130A	0.094	LAA	5	92	91	93	93	67	93
	B DUAL II (7.8EC)	1.25	LAA	5						
10A	£EXP31130A	0.141	LAA	5	90	93	93	93	65	93
	B DUAL II (7.8EC)	1.25	LAA	5						
11A	£EXP31130A	0.094	LAA	5	94	94	94	96	67	95
	B DUAL II (7.8EC)	1.875	LAA	5						
12A	£EXP31130A	0.094	LAA	5	94	95	95	95	78	94
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C DUAL II (7.8EC)	1.25	LAA	5						
13A	£EXP31130A	0.094	LAA	5	88	95	95	94	73	95
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
14A	£EXP31130A	0.094	LAA	5	78	93	93	95	80	93
	B ATRAZINE 90DF (WG)	2.00	LAA	5						
15A	ATRAZINE 90DF (WG)	2.00	LAA	5	98	93	96	98	92	95
	B DUAL II (7.8EC)	2.00	LAA	5						
16A	£BICEP II	4.00	LAA	5	99	95	99	99	96	95
		LSD (0.05)			9.4	6.4	8.3	5.8	9.0	7.1
		STANDARD DEVIATION			24.7	23.2	23.8	23.5	23.2	23.2

TRIAL # US 113/96/01 001 01 - CEXPCON

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	DATST CON % 07-01-96	CHEAL CON % 07-01-96	IPOHE CON % 07-01-96	AMACH CON % 07-01-96
1A£EXP31130A	0.094	LAA	5	43	82	78	82	50	78
2A£EXP31130A	0.141	LAA	5	58	82	73	80	53	78
3A£EXP31130A	0.094	LAA	5	77	88	87	87	63	88
B£TOPNOTCH	1.00	LAA	5						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A£EXP31130A	0.141	LAA	5	82	88	90	90	73	92
B£TOPNOTCH	1.00	LAA	5						
6A£EXP31130A	0.094	LAA	5	87	93	92	90	73	93
B£TOPNOTCH	1.5	LAA	5						
7A£EXP31130A	0.094	LAA	5	87	95	95	95	85	93
B ATRAZINE 90DF (WG)	1.25	LAA	5						
C£TOPNOTCH	1.00	LAA	5						
8A£EXP31130A	0.094	LAA	5	92	95	96	96	85	91
B ATRAZINE 90DF (WG)	1.25	LAA	5						
C£TOPNOTCH	1.25	LAA	5						
9A£EXP31130A	0.094	LAA	5	89	93	90	92	70	88
B DUAL II (7.8EC)	1.25	LAA	5						
10A£EXP31130A	0.141	LAA	5	90	91	88	93	67	91
B DUAL II (7.8EC)	1.25	LAA	5						
11A£EXP31130A	0.094	LAA	5	87	92	92	88	63	90
B DUAL II (7.8EC)	1.875	LAA	5						
12A£EXP31130A	0.094	LAA	5	93	94	96	96	80	94
B ATRAZINE 90DF (WG)	1.25	LAA	5						
C DUAL II (7.8EC)	1.25	LAA	5						
13A£EXP31130A	0.094	LAA	5	80	90	90	90	75	92
B ATRAZINE 90DF (WG)	1.25	LAA	5						
14A£EXP31130A	0.094	LAA	5	72	94	93	93	83	93
B ATRAZINE 90DF (WG)	2.00	LAA	5						
15A ATRAZINE 90DF (WG)	2.00	LAA	5	94	90	93	95	92	93
B DUAL II (7.8EC)	2.00	LAA	5						
16A£BICEP II	4.00	LAA	5	96	93	96	97	94	96
LSD (0.05)				8.2	6.7	9.7	6.6	8.0	6.5
STANDARD DEVIATION				24.5	22.7	23.4	22.9	22.1	22.8

£ = SUPPLEMENTAL CHEMICAL

COMPARISON OF CHLOROACETAMIDE HERBICIDES IN CONVENTIONAL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	04-19-96	MDY
AIR TEMPERATURE	77	½F
% REL.HUMIDITY	55	
WIND DIRECTION	SOUTH	
WIND SPEED	10.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
DEKALB 592SR	****/****	IN
04-19-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
09 = PREEMERGENCE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket application 0.5 lb Clarity 5-31-96

TRIAL # US 201/96/01 001 01 - CHLOCON

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-04-96	SETFA CON % 06-04-96	ZEAMD CON % 06-28-96	SETFA CON % 06-28-96	ZEAMD CON % 08-30-96	SETFA CON % 08-30-96
1A	DUAL II (7.8EC)	2.25	LAA	9	0	98	0	93	0	91
2A	DUAL II (7.8EC)	4.5	LAA	9	3	99	0	99	0	99
3A£	DUAL II MAGNUM 915GL	1.4	LAA	9	2	98	0	95	0	93
4A	UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
5A£	DUAL II MAGNUM 915GL	2.8	LAA	9	0	99	0	99	0	99
6A	TOPNOTCH (3.2CS)	1.8	LAA	9	0	95	0	92	0	86
7A	TOPNOTCH (3.2CS)	3.6	LAA	9	0	99	0	99	0	99
8A	HARNESS (7EC)	1.8	LAA	9	0	95	0	87	0	81
9A	HARNESS (7EC)	3.6	LAA	9	2	98	0	99	0	99
10A£	FRONTIER 6.0EC	1.29	LAA	9	0	93	0	90	0	87
11A£	FRONTIER 6.0EC	2.58	LAA	9	0	98	0	99	0	99
12A£	AXIOM	0.85	LAA	9	3	90	0	92	0	87
13A£	AXIOM	1.7	LAA	9	0	93	0	99	0	99
14A£	DUAL II MAGNUM 915GL	1.1	LAA	9	0	98	0	95	0	91
B£	FRONTIER 6.0EC	0.65	LAA	9						
15A£	DUAL II MAGNUM 915GL	1.1	LAA	9	2	95	0	92	0	88
B	HARNESS (7EC)	0.9	LAA	9						
16A£	HAND WEEDED	0.00	NA	0	0	99	0	99	0	99
	LSD (0.05)				4.0	4.7	0.0	4.9	0.0	5.4
	STANDARD DEVIATION				2.3	23.6	0.0	23.5	0.0	23.4

TRIAL # US 201/96/01 001 01 - CHLOCON

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 09-30-96
1A	DUAL II (7.8EC)	2.25	LAA	9	169.3
2A	DUAL II (7.8EC)	4.5	LAA	9	172.0
3A£	DUAL II MAGNUM 915GL	1.4	LAA	9	166.6
4A	UNTREATED CHECK	0.00	NA	9	144.9
5A£	DUAL II MAGNUM 915GL	2.8	LAA	9	158.5
6A	TOPNOTCH (3.2CS)	1.8	LAA	9	157.8
7A	TOPNOTCH (3.2CS)	3.6	LAA	9	156.4
8A	HARNESS (7EC)	1.8	LAA	9	176.2
9A	HARNESS (7EC)	3.6	LAA	9	148.4
10A£	FRONTIER 6.0EC	1.29	LAA	9	160.0
11A£	FRONTIER 6.0EC	2.58	LAA	9	167.3
12A£	AXIOM	0.85	LAA	9	146.1
13A£	AXIOM	1.7	LAA	9	166.1
14A£	DUAL II MAGNUM 915GL	1.1	LAA	9	166.6
B£	FRONTIER 6.0EC	0.65	LAA	9	
15A£	DUAL II MAGNUM 915GL	1.1	LAA	9	158.1
B	HARNESS (7EC)	0.9	LAA	9	
16A£	HAND WEEDED	0.00	NA	0	153.1
			LSD (0.05)		17.6
			STANDARD DEVIATION		13.6

£ = SUPPLEMENTAL CHEMICAL

TOTAL POSTEMERGENCE WEED CONTROL IN POAST COMPATIBLE CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-19-96	05-30-96	06-07-96	MDY
AIR TEMPERATURE	77	62	65	½F
% REL.HUMIDITY	55	55	83	
WIND DIRECTION	SOUTH	EAST	SOUTHWEST	
WIND SPEED	10.0	5.0	10.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/15	
DEKALB 592SR	****/****	3.00/4.00	8.00/8.00	IN
04-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	2.00/4.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/17	
	****/****	2.00/3.00	2.00/4.00	IN
JIMSONWEED	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/3.00	3.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	2.00/4.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 520/96/01 001 01 - PCTOTPO

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-17-96	SETFA CON % 06-17-96	CHEAL CON % 06-17-96	DATST CON % 06-17-96	AMACH CON % 06-17-96	ABUTH CON % 06-17-96
1A	CLARITY (4SL)	0.5	LAA	12	8	93	75	96	83	75
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
2A	MARKSMAN (3.2SC)	1.4	LAA	12	8	83	95	99	90	90
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
3A	BUCTRIL GEL (4EC)	0.25	LAA	12	8	83	83	96	58	63
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	LADDOK	1.04	LAA	12	2	80	93	99	85	87
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
6A£	SCORPION III 84.3WG	0.21	LAA	12	0	78	78	70	73	83
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
7A£	PERMIT	0.031	LAA	12	7	72	68	81	80	85
	B CLARITY (4SL)	0.125	LAA	12						
	C POAST (1.5EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
8A£	EXCEED	0.036	LAA	12	3	75	70	90	83	90
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
9A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	0	88	87	78	91	90
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	7	68	75	99	83	83
	B ACCENT (75WG)	0.031	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
11A	ATRAZINE 90DF (WG)	1.00	LAA	12	13	83	99	99	85	99
	B RESOURCE (0.86EC)	0.027	LAA	12						
	C POAST (1.5EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
12A	MARKSMAN (3.2SC)	1.4	LAA	11	2	90	99	99	99	93
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
13A	MARKSMAN (3.2SC)	1.4	LAA	11	0	88	99	99	96	98
	B ACCENT (75WG)	0.031	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
14A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				4.9	9.0	14.5	12.3	16.9	12.2
	STANDARD DEVIATION				5.0	23.4	25.7	26.3	25.5	25.0

TRIAL # US 520/96/01 001 01 - PCTOTPO

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	DATST CON % 07-03-96	AMACH CON % 07-03-96	ABUTH CON % 07-03-96
1A	CLARITY (4SL)	0.5	LAA	12	2	90	99	99	95	87
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
2A	MARKSMAN (3.2SC)	1.4	LAA	12	3	73	99	99	99	96
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
3A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	88	85	99	70	77
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	LADDOK	1.04	LAA	12	0	75	99	99	93	93
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
6A	£SCORPION III 84.3WG	0.21	LAA	12	0	90	99	95	80	93
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
7A	£PERMIT	0.031	LAA	12	2	88	94	96	95	93
B	CLARITY (4SL)	0.125	LAA	12						
C	POAST (1.5EC)	0.188	LAA	12						
D	£COC	1.00	PMV	12						
8A	£EXCEED	0.036	LAA	12	2	72	89	99	98	93
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
9A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	0	92	89	89	88	87
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	88	91	99	98	92
B	ACCENT (75WG)	0.031	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
11A	ATRAZINE 90DF (WG)	1.00	LAA	12	0	88	91	99	98	92
B	RESOURCE (0.86EC)	0.027	LAA	12						
C	POAST (1.5EC)	0.188	LAA	12						
D	£COC	1.00	PMV	12						
12A	MARKSMAN (3.2SC)	1.4	LAA	11	0	80	96	99	93	96
B	POAST (1.5EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
13A	MARKSMAN (3.2SC)	1.4	LAA	11	0	93	99	99	99	95
B	ACCENT (75WG)	0.031	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
14A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				2.5	8.8	14.0	7.6	12.1	8.9
	STANDARD DEVIATION				1.6	23.9	25.7	25.6	25.8	24.6

TRIAL # US 520/96/01 001 01 - PCTOTPO

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-01-96
1A	CLARITY (4SL)	0.5	LAA	12	158.0
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
2A	MARKSMAN (3.2SC)	1.4	LAA	12	164.2
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
3A	BUCTRIL GEL (4EC)	0.25	LAA	12	187.3
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
4A	UNTREATED CHECK	0.00	NA	0	135.8
5A	LADDOK	1.04	LAA	12	196.3
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
6A£	SCORPION III 84.3WG	0.21	LAA	12	183.3
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
7A£	PERMIT	0.031	LAA	12	186.6
	B CLARITY (4SL)	0.125	LAA	12	
	C POAST (1.5EC)	0.188	LAA	12	
	D£COC	1.00	PMV	12	
8A£	EXCEED	0.036	LAA	12	167.9
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
9A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	9	179.6
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	189.6
	B ACCENT (75WG)	0.031	LAA	12	
	C£ACTIVATE PLUS	0.25	PMV	12	
11A	ATRAZINE 90DF (WG)	1.00	LAA	12	180.9
	B RESOURCE (0.86EC)	0.027	LAA	12	
	C POAST (1.5EC)	0.188	LAA	12	
	D£COC	1.00	PMV	12	
12A	MARKSMAN (3.2SC)	1.4	LAA	11	194.2
	B POAST (1.5EC)	0.188	LAA	12	
	C£COC	1.00	PMV	12	
13A	MARKSMAN (3.2SC)	1.4	LAA	11	189.2
	B ACCENT (75WG)	0.031	LAA	12	
	C£ACTIVATE PLUS	0.25	PMV	12	
14A£	HAND WEEDED	0.00	NA	0	200.6
		LSD (0.05)			29.5
		STANDARD DEVIATION			26.6

£ = SUPPLEMENTAL CHEMICAL

ACCENT ADJUVANT STUDY IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-07-96	MDY
AIR TEMPERATURE	65	½F
% REL.HUMIDITY	83	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/15	
DEKALB 592SR	6.00/8.00	IN
04-19-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/13	
	2.00/5.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.5 lb Clarity 5-31-96

TRIAL # US 318/96/01 001 01 - CACCADJ

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-17-96	SETFA CON % 07-01-96
1A	ACCENT (75WG)	0.031	LAA	12	80	68
2A	ACCENT (75WG)	0.016	LAA	12	78	74
	BEATPLUS 411F	1.00	PMV	12		
3A	ACCENT (75WG)	0.031	LAA	12	78	83
	BEATPLUS 411F	1.00	PMV	12		
4A	ACCENT (75WG)	0.016	LAA	12	70	62
	BEATPLUS 411F	0.5	PMV	12		
5A	UNTREATED CHECK	0.00	NA	0	0	0
6A	ACCENT (75WG)	0.031	LAA	12	57	65
	BEATPLUS 411F	0.5	PMV	12		
7A	ACCENT (75WG)	0.016	LAA	12	67	65
	BEATPLUS 467	1.00	PMV	12		
8A	ACCENT (75WG)	0.031	LAA	12	77	87
	BEATPLUS 467	1.00	PMV	12		
9A	ACCENT (75WG)	0.016	LAA	12	70	76
	BEATPLUS 467	0.5	PMV	12		
10A	ACCENT (75WG)	0.031	LAA	12	82	88
	BEATPLUS 467	0.5	PMV	12		
11A	ACCENT (75WG)	0.016	LAA	12	87	84
	BEAL-2857	1.00	PMV	12		
12A	ACCENT (75WG)	0.031	LAA	12	78	88
	BEAL-2857	1.00	PMV	12		
13A	ACCENT (75WG)	0.016	LAA	12	70	62
	BEAL-2857	0.5	PMV	12		
14A	ACCENT (75WG)	0.031	LAA	12	77	85
	BEAL-2857	0.5	PMV	12		
15A	ACCENT (75WG)	0.016	LAA	12	75	70
	BEATPLUS S-12	1.75	PMG	12		
16A	ACCENT (75WG)	0.031	LAA	12	80	88
	BEATPLUS S-12	1.75	PMG	12		
17A	ACCENT (75WG)	0.016	LAA	12	72	67
	BEATPLUS S-12	0.875	PMG	12		
18A	ACCENT (75WG)	0.031	LAA	12	80	83
	BEATPLUS S-12	0.875	PMG	12		
19A	ACCENT (75WG)	0.016	LAA	12	83	83
	BEATPLUS S-14	1.75	PMG	12		
20A	ACCENT (75WG)	0.031	LAA	12	82	84
	BEATPLUS S-14	1.75	PMG	12		
21A	ACCENT (75WG)	0.016	LAA	12	78	71
	BEATPLUS S-14	0.875	PMG	12		
22A	ACCENT (75WG)	0.031	LAA	12	80	84
	BEATPLUS S-14	0.875	PMG	12		
		LSD (0.05)			9.0	7.1
		STANDARD DEVIATION			17.7	18.7

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN ROUNDUP-READY CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.7
%OM: 5.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 24 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	06-24-96	MDY
AIR TEMPERATURE	80	90	81	½F
% REL.HUMIDITY	70	55	70	
WIND DIRECTION	SOUTH	WEST	NORTHWEST	
WIND SPEED	10.0	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/16	
RRCORN X66041	****/****	6.00/8.00	16.0/16.0	IN
05-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/NA	
	****/****	1.00/1.00	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/NA	
	****/****	1.00/2.00	****/****	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	HGH/NA	
	****/****	1.00/2.00	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN
COCKLEBUR, COMMO	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN

*** TIMING CODES**

09 = PREEMERGENCE
11 = EPOST
13 = LPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 328/96/01 001 01 - RRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-25-96	SETFA CON % 06-25-96	ABUTH CON % 06-25-96	XANST CON % 06-25-96	PHBPU CON % 06-25-96	POLPY CON % 06-25-96
1A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	10	95	98	99	92	99
2A	£ROUNDUP ULTRA 3AS	0.56	LAA	11	12	96	97	96	88	99
3A	HARNESS (7EC)	1.00	LAA	9	13	88	85	93	85	98
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11						
4A	HARNESS (7EC)	1.5	LAA	9	12	91	90	96	83	99
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11						
5A	HARNESS (7EC)	2.00	LAA	9	13	93	97	99	82	99
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	12	99	98	98	88	99
B	£MON8435 7.5EC	0.5	LAA	11						
8A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	13	99	99	98	94	98
B	£MON8435 7.5EC	0.75	LAA	11						
9A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	12	99	96	98	97	97
B	£MON8435 7.5EC	1.00	LAA	11						
10A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	13	99	99	99	96	99
B	£MON8435 7.5EC	1.25	LAA	11						
11A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	12	99	99	99	93	98
B	£MON8435 7.5EC	1.5	LAA	11						
12A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	15	99	99	99	96	99
B	£MON8435 7.5EC	1.75	LAA	11						
13A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	8	93	94	98	99	99
B	ATRAZINE 90DF (WG)	1.00	LAA	11						
14A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	8	87	99	99	88	99
B	PERMIT (75WG)	0.032	LAA	11						
15A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	12	96	96	99	98	99
B	CLARITY (4SL)	0.25	LAA	11						
16A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	10	99	99	99	92	99
B	HARNESS (7EC)	1.00	LAA	11						
C	PERMIT (75WG)	0.016	LAA	11						
17A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	13	99	99	99	96	99
B	HARNESS (7EC)	1.00	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
18A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	17	99	99	99	99	99
B	£HARNESS EXTRA 5.6	1.81	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
19A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	17	99	99	99	99	99
B	£HARNESS EXTRA 5.6	2.71	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
20A	£MON58420 4.25FL	2.74	LAA	11	15	99	99	99	99	99
21A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	12	99	99	99	96	98
B	£ROUNDUP ULTRA 3AS	0.38	LAA	13						
22A	£HARNESS EXTRA 5.6	3.5	LAA	9	8	94	72	88	80	99
	LSD (0.05)				4.5	5.0	4.7	4.4	4.5	1.4
	STANDARD DEVIATION				4.2	20.5	21.1	20.6	20.2	20.6

TRIAL # US 328/96/01 001 01 - RRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-25-96	ZEAMD CON % 07-15-96	SETFA CON % 07-15-96	ABUTH CON % 07-15-96	XANST CON % 07-15-96	PHBPU CON % 07-15-96
1A	ROUNDUP ULTRA 3AS	0.38	LAA	11	97	8	92	87	91	75
2A	ROUNDUP ULTRA 3AS	0.56	LAA	11	96	5	91	83	86	77
3A	HARNESS (7EC)	1.00	LAA	9	96	3	85	86	91	63
B	ROUNDUP ULTRA 3AS	0.38	LAA	11						
4A	HARNESS (7EC)	1.5	LAA	9	99	7	85	75	70	58
B	ROUNDUP ULTRA 3AS	0.38	LAA	11						
5A	HARNESS (7EC)	2.00	LAA	9	96	7	88	92	91	73
B	ROUNDUP ULTRA 3AS	0.38	LAA	11						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	ROUNDUP ULTRA 3AS	0.38	LAA	11	93	5	98	88	94	80
B	MON8435 7.5EC	0.5	LAA	11						
8A	ROUNDUP ULTRA 3AS	0.38	LAA	11	96	10	98	80	99	82
B	MON8435 7.5EC	0.75	LAA	11						
9A	ROUNDUP ULTRA 3AS	0.38	LAA	11	95	12	98	85	85	87
B	MON8435 7.5EC	1.00	LAA	11						
10A	ROUNDUP ULTRA 3AS	0.38	LAA	11	96	10	96	87	99	82
B	MON8435 7.5EC	1.25	LAA	11						
11A	ROUNDUP ULTRA 3AS	0.38	LAA	11	98	13	98	98	99	78
B	MON8435 7.5EC	1.5	LAA	11						
12A	ROUNDUP ULTRA 3AS	0.38	LAA	11	98	12	97	93	99	82
B	MON8435 7.5EC	1.75	LAA	11						
13A	ROUNDUP ULTRA 3AS	0.38	LAA	11	99	8	92	88	99	92
B	ATRAZINE 90DF (WG)	1.00	LAA	11						
14A	ROUNDUP ULTRA 3AS	0.38	LAA	11	87	8	88	96	99	80
B	PERMIT (75WG)	0.032	LAA	11						
15A	ROUNDUP ULTRA 3AS	0.38	LAA	11	99	10	87	87	99	95
B	CLARITY (4SL)	0.25	LAA	11						
16A	ROUNDUP ULTRA 3AS	0.38	LAA	11	87	5	97	97	99	85
B	HARNESS (7EC)	1.00	LAA	11						
C	PERMIT (75WG)	0.016	LAA	11						
17A	ROUNDUP ULTRA 3AS	0.38	LAA	11	93	12	98	98	98	82
B	HARNESS (7EC)	1.00	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
18A	ROUNDUP ULTRA 3AS	0.38	LAA	11	99	12	98	99	99	97
B	HARNESS EXTRA 5.6	1.81	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
19A	ROUNDUP ULTRA 3AS	0.38	LAA	11	99	12	97	98	99	96
B	HARNESS EXTRA 5.6	2.71	LAA	11						
C	PERMIT (75WG)	0.032	LAA	11						
20A	MON58420 4.25FL	2.74	LAA	11	99	10	98	96	99	97
21A	ROUNDUP ULTRA 3AS	0.38	LAA	11	98	7	96	99	99	92
B	ROUNDUP ULTRA 3AS	0.38	LAA	13						
22A	HARNESS EXTRA 5.6	3.5	LAA	9	99	7	87	57	93	60
	LSD (0.05)				5.1	5.0	5.8	8.1	7.7	6.9
	STANDARD DEVIATION				20.5	4.5	20.2	21.3	21.3	20.5

TRIAL # US 328/96/01 001 01 - RRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-15-96	CHEAL CON % 07-15-96
1A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	90
2A	£ROUNDUP ULTRA 3AS	0.56	LAA	11	99	98
3A	HARNESS (7EC)	1.00	LAA	9	99	98
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11		
4A	HARNESS (7EC)	1.5	LAA	9	98	97
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11		
5A	HARNESS (7EC)	2.00	LAA	9	99	99
B	£ROUNDUP ULTRA 3AS	0.38	LAA	11		
6A	UNTREATED CHECK	0.00	NA	0	0	0
7A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	98
B	£MON8435 7.5EC	0.5	LAA	11		
8A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	96	98
B	£MON8435 7.5EC	0.75	LAA	11		
9A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	98	96
B	£MON8435 7.5EC	1.00	LAA	11		
10A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	96
B	£MON8435 7.5EC	1.25	LAA	11		
11A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	96
B	£MON8435 7.5EC	1.5	LAA	11		
12A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	96
B	£MON8435 7.5EC	1.75	LAA	11		
13A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	99
B	ATRAZINE 90DF (WG)	1.00	LAA	11		
14A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	92
B	PERMIT (75WG)	0.032	LAA	11		
15A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	98
B	CLARITY (4SL)	0.25	LAA	11		
16A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	90
B	HARNESS (7EC)	1.00	LAA	11		
C	PERMIT (75WG)	0.016	LAA	11		
17A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	91
B	HARNESS (7EC)	1.00	LAA	11		
C	PERMIT (75WG)	0.032	LAA	11		
18A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	99
B	£HARNESS EXTRA 5.6	1.81	LAA	11		
C	PERMIT (75WG)	0.032	LAA	11		
19A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	99
B	£HARNESS EXTRA 5.6	2.71	LAA	11		
C	PERMIT (75WG)	0.032	LAA	11		
20A	£MON58420 4.25FL	2.74	LAA	11	99	99
21A	£ROUNDUP ULTRA 3AS	0.38	LAA	11	99	98
B	£ROUNDUP ULTRA 3AS	0.38	LAA	13		
22A	£HARNESS EXTRA 5.6	3.5	LAA	9	99	98
	LSD (0.05)				1.0	5.4
	STANDARD DEVIATION				20.6	20.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL LIBERTY-LINK CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.7
%OM: 5.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 31 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	06-24-96	MDY
AIR TEMPERATURE	77	82	81	½F
% REL.HUMIDITY	75	80	75	
WIND DIRECTION	SOUTH	WEST	NORTHWEST	
WIND SPEED	8.0	2.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/16	
GLUFOSINATE TOLE	****/****	6.00/8.00	16.0/16.0	IN
05-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/NA	
	****/****	1.00/1.00	****/****	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/2.00	****/****	IN
RAGWEED, COMMON	HGH/NA	HGH/12	HGH/NA	
	****/****	1.00/2.00	****/****	IN
MORNINGGLORY, TA	HGH/NA	HGH/10	HGH/12	
	****/****	1.00/1.00	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/00	
	****/****	2.00/3.00	****/****	IN
COCKLEBUR, COMMO	HGH/NA	HGH/12	HGH/NA	
	****/****	2.00/3.00	****/****	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST
13 = LPOST

*** STAGE CODE**
00 = DRY SEED (DORMANT)
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 330/96/01 001 01 - CLIBLNK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-25-96	SETFA CON % 06-25-96	ABUTH CON % 06-25-96	AMACH CON % 06-25-96	XANST CON % 06-25-96	PHBPU CON % 06-25-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	£LIBERTY	0.267	LAA	11	0	92	88	93	98	92
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
3A	£LIBERTY	0.356	LAA	11	0	93	95	96	99	96
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
4A	£LIBERTY	0.356	LAA	11	0	93	90	93	98	96
B	£CULTIVATE 14DAT	0.00	NA	0						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
5A	£LIBERTY	0.267	LAA	11	0	92	92	93	98	92
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
C	£LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
6A	£LIBERTY	0.356	LAA	11	0	95	96	96	99	93
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
C	£LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
7A	£LIBERTY	0.356	LAA	11	0	93	98	99	96	98
B	ATRAZINE 90DF (WG)	1.00	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
8A	ATRAZINE 90DF (WG)	1.5	LAA	9	2	82	95	99	98	98
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
9A	DUAL II (7.8EC)	2.25	LAA	9	2	93	88	99	93	90
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
10A	£FRONTIER 6.0EC	1.29	LAA	9	0	88	88	95	93	96
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
11A	£FRONTIER 6.0EC	0.94	LAA	9	0	85	88	99	98	87
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
12A	£FRONTIER 6.0EC	0.94	LAA	11	5	93	95	98	99	99
B	£LIBERTY	0.356	LAA	11						
C	CLARITY (4SL)	0.5	LAA	11						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
13A	£LIBERTY	0.356	LAA	11	5	92	95	99	99	95
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
14A	£BICEP II	4.13	LAA	9	0	88	82	99	99	87
15A	£FRONTIER 6.0EC	1.29	LAA	9	7	88	93	98	99	90
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
16A	ACCENT (75WG)	0.031	LAA	11	13	95	95	99	98	92
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	LAA	11						
	LSD (0.05)				3.9	5.4	7.4	4.0	3.4	4.9
	STANDARD DEVIATION				4.1	22.5	22.9	23.7	23.7	23.0

TRIAL # US 330/96/01 001 01 - CLIBLNK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 06-25-96	ZEAMD CON % 07-15-96	SETFA CON % 07-15-96	ABUTH CON % 07-15-96	AMACH CON % 07-15-96	XANST CON % 07-15-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	£LIBERTY	0.267	LAA	11	99	0	87	90	95	96
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
3A	£LIBERTY	0.356	LAA	11	99	0	85	88	92	98
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
4A	£LIBERTY	0.356	LAA	11	99	0	95	96	98	99
B	£CULTIVATE 14DAT	0.00	NA	0						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
5A	£LIBERTY	0.267	LAA	11	98	0	96	98	98	99
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
C	£LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
6A	£LIBERTY	0.356	LAA	11	99	0	95	96	99	99
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
C	£LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
7A	£LIBERTY	0.356	LAA	11	99	0	90	95	98	99
B	ATRAZINE 90DF (WG)	1.00	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
8A	ATRAZINE 90DF (WG)	1.5	LAA	9	99	0	75	96	99	98
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
9A	DUAL II (7.8EC)	2.25	LAA	9	99	0	95	90	98	98
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
10A	£FRONTIER 6.0EC	1.29	LAA	9	99	0	88	90	95	96
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
11A	£FRONTIER 6.0EC	0.94	LAA	9	99	0	85	83	95	99
B	£LIBERTY	0.356	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
12A	£FRONTIER 6.0EC	0.94	LAA	11	99	0	92	95	98	99
B	£LIBERTY	0.356	LAA	11						
C	CLARITY (4SL)	0.5	LAA	11						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
13A	£LIBERTY	0.356	LAA	11	99	0	87	88	96	99
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
14A	£BICEP II	4.13	LAA	9	98	0	87	87	98	98
15A	£FRONTIER 6.0EC	1.29	LAA	9	99	0	83	90	96	99
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11						
16A	ACCENT (75WG)	0.031	LAA	11	98	3	90	85	96	99
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	LAA	11						
	LSD (0.05)				1.6	2.4	7.3	7.8	4.5	3.5
	STANDARD DEVIATION				23.9	1.4	22.4	22.8	23.6	23.9

TRIAL # US 330/96/01 001 01 - CLIBLNK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	PHBPU CON % 07-15-96	AMBEL CON % 07-15-96
1A	UNTREATED CHECK	0.00	NA	0	0	0
2A	£LIBERTY	0.267	LAA	11	92	98
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
3A	£LIBERTY	0.356	LAA	11	95	98
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
4A	£LIBERTY	0.356	LAA	11	96	99
	B£CULTIVATE 14DAT	0.00	NA	0		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
5A	£LIBERTY	0.267	LAA	11	98	99
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
	C£LIBERTY	0.267	LAA	13		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13		
6A	£LIBERTY	0.356	LAA	11	99	99
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
	C£LIBERTY	0.267	LAA	13		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13		
7A	£LIBERTY	0.356	LAA	11	96	99
	B ATRAZINE 90DF (WG)	1.00	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
8A	ATRAZINE 90DF (WG)	1.5	LAA	9	96	99
	B£LIBERTY	0.356	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
9A	DUAL II (7.8EC)	2.25	LAA	9	95	98
	B£LIBERTY	0.356	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
10A	£FRONTIER 6.0EC	1.29	LAA	9	96	99
	B£LIBERTY	0.356	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
11A	£FRONTIER 6.0EC	0.94	LAA	9	87	99
	B£LIBERTY	0.356	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
12A	£FRONTIER 6.0EC	0.94	LAA	11	98	99
	B£LIBERTY	0.356	LAA	11		
	C CLARITY (4SL)	0.5	LAA	11		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
13A	£LIBERTY	0.356	LAA	11	92	99
	B CLARITY (4SL)	0.5	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
14A	£BICEP II	4.13	LAA	9	96	99
15A	£FRONTIER 6.0EC	1.29	LAA	9	93	99
	B CLARITY (4SL)	0.5	LAA	11		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	11		
16A	ACCENT (75WG)	0.031	LAA	11	88	96
	B BUCTRIL GEL (4EC)	0.25	LAA	11		
	C£ACTIVATE PLUS	0.25	PMV	11		
	D FERTILIZER - 28%UAN	2.5	LAA	11		
		LSD (0.05)			6.0	1.9
		STANDARD DEVIATION			23.3	23.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN I.R. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.7
%OM: 5.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 31 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-14-96	MDY
AIR TEMPERATURE	80	83	½F
% REL.HUMIDITY	70	80	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	8.0	2.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/12	
PIONEER 3417IR	****/****	6.00/8.00	IN
05-19-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/10	
	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	
	****/****	1.00/1.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN
COCKLEBUR, COMMO	HGH/NA	HGH/12	
	****/****	2.00/3.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 329/96/01 001 01 - IRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-27-96	SETFA CON % 06-27-96	XANST CON % 06-27-96	ABUTH CON % 06-27-96	PHBPU CON % 06-27-96	POLPY CON % 06-27-96
1A	SURPASS 100 (5SC)	1.63	LAA	9	5	82	90	88	83	99
B	ÉCONTOUR	0.56	LAA	9						
2A	SURPASS (6.4EC)	1.2	LAA	9	2	95	99	95	88	99
B	ÉRESOLVE	0.25	LAA	11						
C	ÉSUNIT II	0.75	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A	SURPASS 100 (5SC)	1.63	LAA	9	0	96	99	96	92	99
B	ÉRESOLVE	0.25	LAA	11						
C	ÉSUNIT II	0.75	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
5A	ÉHARNESS EXTRA 5.6	3.5	LAA	9	0	85	93	87	85	95
6A	HARNESS (7EC)	1.8	LAA	9	2	72	99	85	78	99
B	BANVEL (4SL)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	1.25	PMV	11						
7A	ÉLIGHTNING 70DG	0.056	LAA	11	0	87	99	92	83	99
B	ÉSUNIT II	0.75	PMV	11						
C	FERTILIZER - 28%UAN	1.25	PMV	11						
8A	ÉLIGHTNING 70DG	0.056	LAA	11	5	87	99	96	88	98
B	BANVEL (4SL)	0.188	LAA	11						
C	ÉSUNIT II	0.75	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PROWL 3.3EC	1.25	LAA	11	3	93	93	92	88	99
B	ÉRESOLVE	0.25	LAA	11						
C	ÉSUNIT II	0.75	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
10A	ACCENT (75WG)	0.031	LAA	11	3	87	90	93	90	99
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
C	ÉACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				3.2	9.5	8.0	4.7	9.8	2.6
	STANDARD DEVIATION				2.4	27.3	29.2	27.8	26.6	29.6

TRIAL # US 329/96/01 001 01 - IRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 06-27-96	ZEAMD CON % 07-15-96	SETFA CON % 07-15-96	XANST CON % 07-15-96	ABUTH CON % 07-15-96	PHBPU CON % 07-15-96
1A	SURPASS 100 (5SC)	1.63	LAA	9	99	0	85	96	95	88
	B£CONTOUR	0.56	LAA	9						
2A	SURPASS (6.4EC)	1.2	LAA	9	98	0	90	98	96	90
	B£RESOLVE	0.25	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
4A	SURPASS 100 (5SC)	1.63	LAA	9	99	0	93	99	98	93
	B£RESOLVE	0.25	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
5A£	HARNESS EXTRA 5.6	3.5	LAA	9	99	0	83	99	83	90
6A	HARNESS (7EC)	1.8	LAA	9	99	0	77	99	78	85
	B BANVEL (4SL)	0.5	LAA	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
7A£	LIGHTNING 70DG	0.056	LAA	11	99	0	88	99	99	82
	B£SUNIT II	0.75	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
8A£	LIGHTNING 70DG	0.056	LAA	11	99	0	92	99	98	95
	B BANVEL (4SL)	0.188	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PROWL 3.3EC	1.25	LAA	11	99	0	90	99	98	95
	B£RESOLVE	0.25	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	ACCENT (75WG)	0.031	LAA	11	99	0	73	88	88	78
	B BUCTRIL GEL (4EC)	0.25	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				1.3	0.0	5.8	5.0	3.7	10.4
	STANDARD DEVIATION				29.7	0.0	26.6	29.5	28.6	27.5

TRIAL # US 329/96/01 001 01 - IRCORN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-15-96	AMACH CON % 07-15-96
1A	SURPASS 100 (5SC)	1.63	LAA	9	99	98
	B£CONTOUR	0.56	LAA	9		
2A	SURPASS (6.4EC)	1.2	LAA	9	99	98
	B£RESOLVE	0.25	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
3A	UNTREATED CHECK	0.00	NA	0	0	0
4A	SURPASS 100 (5SC)	1.63	LAA	9	99	99
	B£RESOLVE	0.25	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
5A£	HARNESS EXTRA 5.6	3.5	LAA	9	99	96
6A	HARNESS (7EC)	1.8	LAA	9	99	99
	B BANVEL (4SL)	0.5	LAA	11		
	C FERTILIZER - 28%UAN	1.25	PMV	11		
7A£	LIGHTNING 70DG	0.056	LAA	11	99	99
	B£SUNIT II	0.75	PMV	11		
	C FERTILIZER - 28%UAN	1.25	PMV	11		
8A£	LIGHTNING 70DG	0.056	LAA	11	99	99
	B BANVEL (4SL)	0.188	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
9A	PROWL 3.3EC	1.25	LAA	11	99	99
	B£RESOLVE	0.25	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
10A	ACCENT (75WG)	0.031	LAA	11	99	98
	B BUCTRIL GEL (4EC)	0.25	LAA	11		
	C£ACTIVATE PLUS	0.25	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
	LSD (0.05)				0.0	3.6
	STANDARD DEVIATION				29.7	29.5

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE VS. POSTEMERGENCE GRASS WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.5
%OM: 4.0
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 32 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-12-96	06-18-96	06-24-96	MDY
AIR TEMPERATURE	84	70	85	80	½F
% REL.HUMIDITY	50	75	75	70	
WIND DIRECTION	NA/NONE	NORTH	WEST	NORTHWEST	
WIND SPEED	0.0	3.0	7.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	DRY	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	32.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT PIONEER 3394 05-22-96	HGH/NA ****/****	HGH/11 4.00/4.00	HGH/13 8.00/8.00	HGH/16 16.0/16.0	IN
*** PEST ***					
FOXTAIL, GIANT	HGH/NA ****/****	HGH/12 1.00/2.00	HGH/13 2.00/4.00	HGH/14 4.00/8.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
10 = VEPOST
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 118/96/01 001 01

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-03-96	SETFA CON % 07-03-96	ZEAMD CON % 07-22-96	SETFA CON % 07-22-96	YIELD BU/A 10-21-96
1A	DUAL II (7.8EC)	2.19	LAA	9	0	94	0	98	150.3
B	BANVEL (4SL)	0.5	LAA	11					
C	FERTILIZER - 28%UAN	2.5	PMV	11					
2A£	BASIS	0.016	LAA	10	0	98	0	97	189.9
B£	COC	1.00	PMV	10					
C	FERTILIZER - 28%UAN	2.5	PMV	10					
D£	CULTIVATE 14DAT	0.00	NA	0					
3A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	127.7
4A£	BASIS	0.016	LAA	10	0	98	0	99	167.3
B	ATRAZINE 90DF (WG)	0.75	LAA	10					
C£	COC	1.00	PMV	10					
D	FERTILIZER - 28%UAN	2.5	PMV	10					
E£	CULTIVATE 14DAT	0.00	NA	0					
5A£	BASIS	0.016	LAA	10	0	98	0	99	182.7
B	BANVEL (4SL)	0.063	LAA	10					
C£	COC	1.00	PMV	10					
D	FERTILIZER - 28%UAN	2.5	PMV	10					
E£	CULTIVATE 14DAT	0.00	NA	0					
6A£	BASIS	0.016	LAA	11	0	99	0	98	163.3
B	BANVEL (4SL)	0.063	LAA	11					
C£	COC	1.00	PMV	11					
D	FERTILIZER - 28%UAN	2.5	PMV	11					
E£	CULTIVATE 14DAT	0.00	NA	0					
7A£	DPX-79406 75DF	0.023	LAA	11	0	98	0	99	172.2
B	ATRAZINE 90DF (WG)	0.75	LAA	11					
C£	COC	1.00	PMV	11					
D	FERTILIZER - 28%UAN	2.5	PMV	11					
8A	ACCENT (75WG)	0.031	LAA	11	0	98	0	96	158.4
B	BUCTRIL GEL (4EC)	0.25	PMV	11					
C£	ACTIVATE PLUS	0.25	PMV	11					
D	FERTILIZER - 28%UAN	2.5	PMV	11					
9A	ACCENT (75WG)	0.031	LAA	12	0	83	0	92	160.0
B	BUCTRIL GEL (4EC)	0.25	PMV	12					
C£	ACTIVATE PLUS	0.25	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
10A£	HAND WEEDED	0.00	NA	0	0	99	0	99	189.9
	LSD (0.05)				0.0	2.0	0.0	1.8	28.6
	STANDARD DEVIATION				0.0	29.2	0.0	29.3	22.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN NO-TILL SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.1
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	04	05	06	09	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-08-96	04-25-96	05-06-96	05-23-96	06-17-96	MDY
AIR TEMPERATURE	42	64	55	73	80	½F
% REL.HUMIDITY	30	70	75	75	80	
WIND DIRECTION	NORTHEAST	SOUTH	EAST	EAST	SOUTH	
WIND SPEED	5.0	12.0	2.0	5.0	8.0	M/H
SKY CONDITION	CLEAR	CLOUDY	CLOUDY	CLOUDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	MOIST	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/NA	HGH/NA	HGH/11	
PIONEER 9362	****/****	****/****	****/****	****/****	3.00/3.00	IN
05-23-96						
*** PEST ***						
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/12	HGH/14	HGH/16	
	****/****	0.50/0.50	1.00/1.00	1.00/2.00	2.00/3.00	IN
HORSEWEED	HGH/NA	HGH/12	HGH/14	HGH/16	HGH/19	
	****/****	1.00/1.00	2.00/2.00	3.00/3.00	3.00/5.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/10	HGH/13	HGH/15	HGH/17	
	****/****	0.50/1.00	1.00/2.00	2.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/11	HGH/12	HGH/13	
	****/****	****/****	1.00/1.00	2.00/3.00	3.00/4.00	IN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.1
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	06	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-21-96	MDY
AIR TEMPERATURE	82	½F
% REL.HUMIDITY	80	
WIND DIRECTION	SOUTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9362	4.00/5.00	IN
05-23-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/19	
	3.00/5.00	IN
HORSEWEED	HGH/19	
	4.00/8.00	IN
SMARTWEED, PENNS	HGH/19	
	3.00/5.00	IN
FOXTAIL, GIANT	HGH/14	
	3.00/5.00	IN

*** TIMING CODES**

04 = VEPP 30 DBP
05 = VEPP 15 DBP
06 = VEPP 7 DBP
09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 101/96/01 001 01 - SOYNOT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ERICA CON % 07-01-96	CHEAL CON % 07-01-96	POLPY CON % 07-01-96	GLXMA CON % 07-31-96
1A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	57	82	75	80	0
2A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	3	72	96	98	99	0
B	GALAXY (3.67SL)	0.92	LAA	12						
C	COC	1.00	PMV	12						
3A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	65	98	99	99	0
B	CANOPY (75WG)	0.141	LAA	4						
4A	FIRSTRATE 84WG	0.039	LAA	4	0	72	88	99	99	0
B	DUAL II (7.8EC)	2.00	LAA	4						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	AUTHORITY	0.375	LAA	4	0	82	91	91	82	0
B	SENCOR DF (75WG)	0.23	LAA	4						
C	DUAL II (7.8EC)	2.00	LAA	4						
7A	COMMAND 3ME	0.75	LAA	5	0	68	67	84	80	0
B	AUTHORITY	0.375	LAA	5						
8A	AUTHORITY	0.313	LAA	5	0	98	93	84	87	0
B	SENCOR DF (75WG)	0.188	LAA	5						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	COC	1.00	PMV	12						
9A	AUTHORITY	0.375	LAA	5	0	99	99	99	98	0
B	SENCOR DF (75WG)	0.23	LAA	5						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	COC	1.00	PMV	12						
10A	AUTHORITY	0.313	LAA	5	0	74	99	99	96	0
B	SENCOR DF (75WG)	0.188	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
11A	AUTHORITY	0.375	LAA	5	0	83	92	95	96	0
B	SENCOR DF (75WG)	0.23	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
12A	AUTHORITY	0.2	LAA	5	0	67	90	87	93	0
B	F6025 25WG	0.04	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
13A	AUTHORITY	0.26	LAA	5	0	78	95	93	97	0
B	F6025 25WG	0.052	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
14A	FIRSTRATE 84WG	0.039	LAA	5	0	90	91	96	98	0
B	DUAL II (7.8EC)	2.00	LAA	5						
15A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	83	47	53	50	0
16A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	7	84	94	87	99	0
B	GALAXY (3.67SL)	0.92	LAA	12						
C	COC	1.00	PMV	12						
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	88	58	77	93	0
B	CANOPY (75WG)	0.141	LAA	9						
18A	FIRSTRATE 84WG	0.039	LAA	9	0	96	82	96	98	0
B	DUAL II (7.8EC)	2.00	LAA	9						
19A	COMMAND 3ME	0.75	LAA	6	0	53	50	72	67	0
B	AUTHORITY	0.375	LAA	6						
20A	AUTHORITY	0.313	LAA	6	0	99	99	97	99	0
B	SENCOR DF (75WG)	0.188	LAA	6						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	COC	1.00	PMV	12						
21A	AUTHORITY	0.375	LAA	6	0	98	99	99	98	0
B	SENCOR DF (75WG)	0.23	LAA	6						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	COC	1.00	PMV	12						

TRIAL # US 101/96/01 001 01 - SOYNOT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ERICA CON % 07-01-96	CHEAL CON % 07-01-96	POLPY CON % 07-01-96	GLXMA CON % 07-31-96
22A	£AUTHORITY	0.313	LAA	6	0	79	99	99	99	0
B	SENCOR DF (75WG)	0.188	LAA	6						
C	DUAL II (7.8EC)	2.00	LAA	6						
23A	£AUTHORITY	0.375	LAA	6	0	83	99	99	99	0
B	SENCOR DF (75WG)	0.23	LAA	6						
C	DUAL II (7.8EC)	2.00	LAA	6						
24A	£AUTHORITY	0.2	LAA	6	0	84	96	99	99	0
B	£F6025 25WG	0.04	LAA	6						
C	DUAL II (7.8EC)	2.00	LAA	6						
25A	£AUTHORITY	0.26	LAA	6	0	87	95	99	99	0
B	£F6025 25WG	0.052	LAA	6						
C	DUAL II (7.8EC)	2.00	LAA	6						
26A	£STEEL CP	0.00	LAA	6	0	90	95	99	99	0
B	PURSUIT PLUS (2.9EC)	0.91	LAA	6						
C	SCEPTER 70DG (WG)	0.062	LAA	6						
D	PROWL 3.3EC	0.4	LAA	6						
27A	PURSUIT PLUS (2.9EC)	0.91	LAA	6	0	77	67	79	90	0
B	PROWL 3.3EC	0.4	LAA	6						
28A	PROWL 3.3EC	1.25	LAA	6	2	99	73	85	95	0
B	PURSUIT (2SL)	0.063	LAA	11						
C	£SUNIT II	0.75	LAA	11						
D	FERTILIZER - 28%UAN	1.25	LAA	11						
29A	PROWL 3.3EC	1.25	LAA	6	3	99	70	88	97	0
B	£RAPTOR 1AS	0.04	LAA	11						
C	£SUNIT II	0.75	LAA	11						
D	FERTILIZER - 28%UAN	1.25	LAA	11						
30A	£RAPTOR 1AS	0.04	LAA	11	2	98	84	88	97	0
B	£SUNIT II	0.75	LAA	11						
C	FERTILIZER - 28%UAN	1.25	LAA	11						
	LSD (0.05)				1.9	7.1	6.9	5.1	5.1	0.0
	STANDARD DEVIATION				1.7	19.9	21.7	19.5	20.0	0.0

TRIAL # US 101/96/01 001 01 - SOYNOT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-31-96	ERICA CON % 07-31-96	CHEAL CON % 07-31-96	POLPY CON % 07-31-96
1A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	57	75	82	67
2A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	77	86	92	88
B	GALAXY (3.67SL)	0.92	LAA	12				
C	£COC	1.00	PMV	12				
3A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	76	93	93	94
B	CANOPY (75WG)	0.141	LAA	4				
4A	£FIRSTRATE 84WG	0.039	LAA	4	93	84	92	94
B	DUAL II (7.8EC)	2.00	LAA	4				
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A	£AUTHORITY	0.375	LAA	4	91	89	92	92
B	SENCOR DF (75WG)	0.23	LAA	4				
C	DUAL II (7.8EC)	2.00	LAA	4				
7A	£COMMAND 3ME	0.75	LAA	5	72	67	89	93
B	£AUTHORITY	0.375	LAA	5				
8A	£AUTHORITY	0.313	LAA	5	98	92	97	98
B	SENCOR DF (75WG)	0.188	LAA	5				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
9A	£AUTHORITY	0.375	LAA	5	98	95	97	98
B	SENCOR DF (75WG)	0.23	LAA	5				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
10A	£AUTHORITY	0.313	LAA	5	75	90	91	88
B	SENCOR DF (75WG)	0.188	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
11A	£AUTHORITY	0.375	LAA	5	82	85	91	91
B	SENCOR DF (75WG)	0.23	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
12A	£AUTHORITY	0.2	LAA	5	68	93	93	93
B	£F6025 25WG	0.04	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
13A	£AUTHORITY	0.26	LAA	5	84	96	97	98
B	£F6025 25WG	0.052	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
14A	£FIRSTRATE 84WG	0.039	LAA	5	93	84	93	93
B	DUAL II (7.8EC)	2.00	LAA	5				
15A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	73	57	63	53
16A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	77	83	74	84
B	GALAXY (3.67SL)	0.92	LAA	12				
C	£COC	1.00	PMV	12				
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	87	67	92	89
B	CANOPY (75WG)	0.141	LAA	9				
18A	£FIRSTRATE 84WG	0.039	LAA	9	97	72	88	89
B	DUAL II (7.8EC)	2.00	LAA	9				
19A	£COMMAND 3ME	0.75	LAA	6	57	47	75	78
B	£AUTHORITY	0.375	LAA	6				
20A	£AUTHORITY	0.313	LAA	6	98	98	94	98
B	SENCOR DF (75WG)	0.188	LAA	6				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
21A	£AUTHORITY	0.375	LAA	6	98	98	98	97
B	SENCOR DF (75WG)	0.23	LAA	6				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				

TRIAL # US 101/96/01 001 01 - SOYNOT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-31-96	ERICA CON % 07-31-96	CHEAL CON % 07-31-96	POLPY CON % 07-31-96
22	A£AUTHORITY	0.313	LAA	6	87	97	98	97
	B SENCOR DF (75WG)	0.188	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
23	A£AUTHORITY	0.375	LAA	6	83	93	94	96
	B SENCOR DF (75WG)	0.23	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
24	A£AUTHORITY	0.2	LAA	6	83	72	99	98
	B£F6025 25WG	0.04	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
25	A£AUTHORITY	0.26	LAA	6	83	84	99	98
	B£F6025 25WG	0.052	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
26	A£STEEL CP	0.00	LAA	6	98	87	99	99
	B PURSUIT PLUS (2.9EC)	0.91	LAA	6				
	C SCEPTER 70DG (WG)	0.062	LAA	6				
	D PROWL 3.3EC	0.4	LAA	6				
27	A PURSUIT PLUS (2.9EC)	0.91	LAA	6	91	58	84	91
	B PROWL 3.3EC	0.4	LAA	6				
28	A PROWL 3.3EC	1.25	LAA	6	93	57	88	92
	B PURSUIT (2SL)	0.063	LAA	11				
	C£SUNIT II	0.75	LAA	11				
	D FERTILIZER - 28%UAN	1.25	LAA	11				
29	A PROWL 3.3EC	1.25	LAA	6	99	60	89	94
	B£RAPTOR 1AS	0.04	LAA	11				
	C£SUNIT II	0.75	LAA	11				
	D FERTILIZER - 28%UAN	1.25	LAA	11				
30	A£RAPTOR 1AS	0.04	LAA	11	99	70	85	93
	B£SUNIT II	0.75	LAA	11				
	C FERTILIZER - 28%UAN	1.25	LAA	11				
	LSD (0.05)				6.8	8.1	6.0	6.0
	STANDARD DEVIATION				19.6	20.6	18.3	19.2

£ = SUPPLEMENTAL CHEMICAL

SELECT BURNDOWN IN NO-TILL SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.1
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-06-96	MDY
AIR TEMPERATURE	55	½F
% REL.HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
HENBIT	HGH/18	
	1.00/1.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN
DANDELION, COMMO	HGH/18	
	2.00/2.00	IN

*** TIMING CODES**
06 = VEPP 7 DBP

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 107/96/01 001 01 - SSELNOT

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 05-30-96	POLPY CON % 05-30-96	LAMAM CON % 05-30-96	TAROF CON % 05-30-96	SETFA CON % 06-20-96	POLPY CON % 06-20-96
1A SELECT (2EC)	0.031	LAA	6	98	77	82	83	73	72
B£2,4-D LVE	0.5	LAA	6						
C£COC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
2A SELECT (2EC)	0.043	LAA	6	99	73	72	83	78	73
B£2,4-D LVE	0.5	LAA	6						
C£COC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
3A SELECT (2EC)	0.063	LAA	6	99	67	67	70	80	70
B£2,4-D LVE	0.5	LAA	6						
C£COC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
4A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A SELECT (2EC)	0.074	LAA	6	99	73	73	65	82	67
B£2,4-D LVE	0.5	LAA	6						
C£COC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
6A SELECT (2EC)	0.094	LAA	6	99	78	78	67	88	75
B£2,4-D LVE	0.5	LAA	6						
C£COC	1.00	PMV	6						
D FERTILIZER - 28%UAN	1.25	PMV	6						
7A SELECT (2EC)	0.043	LAA	6	99	78	62	60	91	73
B PROWL 3.3EC	1.00	LAA	6						
C£2,4-D LVE	0.5	LAA	6						
D£COC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
8A SELECT (2EC)	0.063	LAA	6	99	78	50	65	92	79
B PROWL 3.3EC	1.00	LAA	6						
C£2,4-D LVE	0.5	LAA	6						
D£COC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
9A SELECT (2EC)	0.063	LAA	6	99	0	0	0	83	0
B£COC	1.00	PMV	6						
C FERTILIZER - 28%UAN	1.25	PMV	6						
10A SELECT (2EC)	0.063	LAA	6	99	99	99	99	95	99
B CANOPY (75WG)	0.28	LAA	6						
C£2,4-D LVE	0.5	LAA	6						
D£COC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
11A SELECT (2EC)	0.046	LAA	6	99	99	99	99	97	99
B CANOPY (75WG)	0.28	LAA	6						
C£2,4-D LVE	0.5	LAA	6						
D£COC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
12A SELECT (2EC)	0.046	LAA	6	99	99	87	67	50	77
B SENCOR DF (75WG)	0.094	LAA	6						
C£2,4-D LVE	0.5	LAA	6						
D£COC	1.00	PMV	6						
E FERTILIZER - 28%UAN	1.25	PMV	6						
13A£ROUNDUP ULTRA 3AS	0.38	LAA	6	99	99	99	99	53	90
B£2,4-D LVE	0.5	LAA	6						
C£ACTIVATE PLUS	0.25	PMV	6						
D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
LSD (0.05)				0.5	7.7	15.1	12.9	7.9	8.4
STANDARD DEVIATION				26.4	32.4	32.6	31.8	25.8	30.7

TRIAL # US 107/96/01 001 01 - SSELNOT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	LAMAM CON % 06-20-96	TAROF CON % 06-20-96
1A	SELECT (2EC)	0.031	LAA	6	83	83
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
	D FERTILIZER - 28%UAN	1.25	PMV	6		
2A	SELECT (2EC)	0.043	LAA	6	73	77
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
	D FERTILIZER - 28%UAN	1.25	PMV	6		
3A	SELECT (2EC)	0.063	LAA	6	70	75
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
	D FERTILIZER - 28%UAN	1.25	PMV	6		
4A	UNTREATED CHECK	0.00	NA	0	0	0
5A	SELECT (2EC)	0.074	LAA	6	73	78
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
	D FERTILIZER - 28%UAN	1.25	PMV	6		
6A	SELECT (2EC)	0.094	LAA	6	70	72
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
	D FERTILIZER - 28%UAN	1.25	PMV	6		
7A	SELECT (2EC)	0.043	LAA	6	73	77
	B PROWL 3.3EC	1.00	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
8A	SELECT (2EC)	0.063	LAA	6	78	70
	B PROWL 3.3EC	1.00	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
9A	SELECT (2EC)	0.063	LAA	6	0	0
	B£COC	1.00	PMV	6		
	C FERTILIZER - 28%UAN	1.25	PMV	6		
10A	SELECT (2EC)	0.063	LAA	6	99	99
	B CANOPY (75WG)	0.28	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
11A	SELECT (2EC)	0.046	LAA	6	99	99
	B CANOPY (75WG)	0.28	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
12A	SELECT (2EC)	0.046	LAA	6	77	47
	B SENCOR DF (75WG)	0.094	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
13A£	ROUNDUP ULTRA 3AS	0.38	LAA	6	96	98
	B£2,4-D LVE	0.5	LAA	6		
	C£ACTIVATE PLUS	0.25	PMV	6		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
			LSD (0.05)		9.0	8.6
			STANDARD DEVIATION		31.3	31.9

£ = SUPPLEMENTAL CHEMICAL

BURNDOWN TREATMENTS FOR NO-TILL SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.1
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-06-96	MDY
AIR TEMPERATURE	55	½F
% REL.HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
HENBIT	HGH/18	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/11	
	1.00/1.00	IN
DANDELION, COMMO	HGH/18	
	2.00/3.00	IN

*** TIMING CODES**
06 = VEPP 7 DBP

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 106/96/01 001 01 - SBURNDN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-03-96	TAROF CON % 06-03-96	POLPY CON % 06-03-96	LAMAM CON % 06-03-96	SETFA CON % 07-03-96	TAROF CON % 07-03-96
1A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	85	57	85	73	93	73
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
2A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	86	67	88	85	98	78
	B SENCOR DF (75WG)	0.094	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
3A	GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	92	73	90	82	98	78
	B SENCOR DF (75WG)	0.188	LAA	6						
	C£ACTIVATE PLUS	0.25	PMV	6						
4A	GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	97	94	97	93	98	99
	B CANOPY (75WG)	0.094	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
5A	£ROUNDUP ULTRA 3AS	0.38	LAA	6	94	98	97	97	98	97
	B£2,4-D LVE	0.5	LAA	6						
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
6A	£ROUNDUP ULTRA 3AS	0.38	LAA	6	94	99	99	98	97	99
	B SENCOR DF (75WG)	0.188	LAA	6						
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
7A	TOUCHDOWN (6SL)	0.5	LAA	6	96	99	99	97	97	99
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.5	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
8A	TOUCHDOWN (6SL)	0.75	LAA	6	96	97	88	87	96	99
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.5	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
9A	TOUCHDOWN (6SL)	1.00	LAA	6	88	97	93	91	95	99
	B£ACTIVATE PLUS	0.5	PMV	6						
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
10A	TOUCHDOWN (6SL)	0.5	LAA	6	94	98	95	92	97	91
	B SENCOR DF (75WG)	0.188	LAA	6						
	C£ACTIVATE PLUS	0.25	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6						
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12A	FUSION (2.66EC)	0.083	LAA	6	96	84	67	53	94	78
	B£2,4-D LVE	0.5	LAA	6						
	C£COC	1.00	PMV	6						
13A	SENCOR DF (75WG)	0.188	LAA	6	97	89	89	84	96	91
	B SELECT (2EC)	0.047	LAA	6						
	C£2,4-D LVE	0.5	LAA	6						
	D£COC	1.00	PMV	6						
	E FERTILIZER - 28%UAN	1.25	PMV	6						
14A	SENCOR DF (75WG)	0.141	LAA	6	96	92	91	81	96	93
	B FUSION (2.66EC)	0.083	LAA	6						
	C£2,4-D LVE	0.5	LAA	6						
	D£COC	1.00	PMV	6						
	LSD (0.05)				4.3	7.5	8.6	7.0	2.6	6.7
	STANDARD DEVIATION				24.4	26.3	25.0	25.1	24.9	25.2

TRIAL # US 106/96/01 001 01 - SBURNDN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-03-96	LAMAM CON % 07-03-96
1A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	91	85
	B£2,4-D LVE	0.5	LAA	6		
	C£ACTIVATE PLUS	0.125	PMV	6		
2A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	90	84
	B SENCOR DF (75WG)	0.094	LAA	6		
	C£ACTIVATE PLUS	0.125	PMV	6		
3A	GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	95	91
	B SENCOR DF (75WG)	0.188	LAA	6		
	C£ACTIVATE PLUS	0.25	PMV	6		
4A	GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6	99	99
	B CANOPY (75WG)	0.094	LAA	6		
	C£ACTIVATE PLUS	0.125	PMV	6		
5A	£ROUNDUP ULTRA 3AS	0.38	LAA	6	99	99
	B£2,4-D LVE	0.5	LAA	6		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
6A	£ROUNDUP ULTRA 3AS	0.38	LAA	6	99	99
	B SENCOR DF (75WG)	0.188	LAA	6		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
7A	TOUCHDOWN (6SL)	0.5	LAA	6	98	99
	B£2,4-D LVE	0.5	LAA	6		
	C£ACTIVATE PLUS	0.5	PMV	6		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
8A	TOUCHDOWN (6SL)	0.75	LAA	6	93	99
	B£2,4-D LVE	0.5	LAA	6		
	C£ACTIVATE PLUS	0.5	PMV	6		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
9A	TOUCHDOWN (6SL)	1.00	LAA	6	99	99
	B£ACTIVATE PLUS	0.5	PMV	6		
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
10A	TOUCHDOWN (6SL)	0.5	LAA	6	99	99
	B SENCOR DF (75WG)	0.188	LAA	6		
	C£ACTIVATE PLUS	0.25	PMV	6		
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	6		
11A	UNTREATED CHECK	0.00	NA	0	0	0
12A	FUSION (2.66EC)	0.083	LAA	6	74	70
	B£2,4-D LVE	0.5	LAA	6		
	C£COC	1.00	PMV	6		
13A	SENCOR DF (75WG)	0.188	LAA	6	94	88
	B SELECT (2EC)	0.047	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
	E FERTILIZER - 28%UAN	1.25	PMV	6		
14A	SENCOR DF (75WG)	0.141	LAA	6	99	96
	B FUSION (2.66EC)	0.083	LAA	6		
	C£2,4-D LVE	0.5	LAA	6		
	D£COC	1.00	PMV	6		
		LSD (0.05)			5.2	6.8
		STANDARD DEVIATION			25.3	25.5

£ = SUPPLEMENTAL CHEMICAL

BANVEL EARLY PREPLANT IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.1
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	04	
TYPE	LIQMXSPR	
APPLICATION DATE	04-08-96	MDY
AIR TEMPERATURE	42	½F
% REL.HUMIDITY	30	
WIND DIRECTION	NORTHEAST	
WIND SPEED	5.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-23-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
HORSEWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN
DANDELION, COMMO	HGH/NA	
	****/****	IN

*** TIMING CODES**
04 = VEPP 30 DBP

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 105/96/01 001 01 - SBANEPP

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-23-96	SETFA CON % 06-23-96	TAROF CON % 06-23-96	ERICA CON % 06-23-96	POLPY CON % 06-23-96	CHEAL CON % 06-23-96
1A BANVEL (4SL)	0.125	LAA	4	0	37	37	99	52	92
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
2A BANVEL (4SL)	0.25	LAA	4	0	28	62	99	73	90
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
3A BANVEL (4SL)	0.125	LAA	4	0	20	53	99	58	90
BE2,4-D LVE	0.25	LAA	4						
CEFRONTIER 6.0EC	1.36	LAA	4						
DEROUNDUP ULTRA 3AS	0.188	LAA	4						
4AE2,4-D LVE	0.5	LAA	4	0	27	57	94	48	88
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
5AEFRONTIER 6.0EC	1.36	LAA	4	0	33	27	93	37	80
BEROUNDUP ULTRA 3AS	0.188	LAA	4						
6AESAN1412 720EC	1.5	LAA	4	0	22	35	98	58	80
BEROUNDUP ULTRA 3AS	0.188	LAA	4						
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				0.0	12.7	16.6	7.8	16.5	11.3
STANDARD DEVIATION				0.0	12.7	21.2	34.2	23.2	31.1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	TAROF CON % 07-23-96	ERICA CON % 07-23-96	POLPY CON % 07-23-96	CHEAL CON % 07-23-96
1A BANVEL (4SL)	0.125	LAA	4	0	33	40	93	52	88
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
2A BANVEL (4SL)	0.25	LAA	4	0	32	57	92	77	88
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
3A BANVEL (4SL)	0.125	LAA	4	0	22	57	92	63	85
BE2,4-D LVE	0.25	LAA	4						
CEFRONTIER 6.0EC	1.36	LAA	4						
DEROUNDUP ULTRA 3AS	0.188	LAA	4						
4AE2,4-D LVE	0.5	LAA	4	0	30	45	93	53	83
BEFRONTIER 6.0EC	1.36	LAA	4						
CEROUNDUP ULTRA 3AS	0.188	LAA	4						
5AEFRONTIER 6.0EC	1.36	LAA	4	0	35	33	90	43	81
BEROUNDUP ULTRA 3AS	0.188	LAA	4						
6AESAN1412 720EC	1.5	LAA	4	0	28	37	93	63	83
BEROUNDUP ULTRA 3AS	0.188	LAA	4						
7A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				0.0	11.7	20.7	7.9	12.9	12.1
STANDARD DEVIATION				0.0	12.4	19.9	32.3	23.9	30.2

TRIAL # US 105/96/01 001 01 - SBANEPP

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-28-96
1A	BANVEL (4SL)	0.125	LAA	4	27.7
	BEFRONTIER 6.0EC	1.36	LAA	4	
	CEROUNDUP ULTRA 3AS	0.188	LAA	4	
2A	BANVEL (4SL)	0.25	LAA	4	29.2
	BEFRONTIER 6.0EC	1.36	LAA	4	
	CEROUNDUP ULTRA 3AS	0.188	LAA	4	
3A	BANVEL (4SL)	0.125	LAA	4	17.6
	BE2,4-D LVE	0.25	LAA	4	
	CEFRONTIER 6.0EC	1.36	LAA	4	
	DEROUNDUP ULTRA 3AS	0.188	LAA	4	
4A	E2,4-D LVE	0.5	LAA	4	24.1
	BEFRONTIER 6.0EC	1.36	LAA	4	
	CEROUNDUP ULTRA 3AS	0.188	LAA	4	
5A	EFRONTIER 6.0EC	1.36	LAA	4	29.5
	BEROUNDUP ULTRA 3AS	0.188	LAA	4	
6A	ESAN1412 720EC	1.5	LAA	4	25.1
	BEROUNDUP ULTRA 3AS	0.188	LAA	4	
7A	UNTREATED CHECK	0.00	NA	0	26.9
		LSD (0.05)			9.3
		STANDARD DEVIATION			5.5

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF V53482 IN NO-TILL SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	73	½F
% REL.HUMIDITY	75	
WIND DIRECTION	EAST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
VELVETLEAF	HGH/11	
	1.00/1.00	IN
LAMBSQUARTERS, C	HGH/16	
	2.00/2.00	IN
FOXTAIL, GIANT	HGH/12	
	1.00/2.00	IN

*** TIMING CODES**
09 = PREEMERGENCE

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.094 lb Select, and 1.0% COC 6-19-96

TRIAL # US 108/96/01 001 01 - SN53482

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-23-96	CHEAL CON % 06-23-96	ABUTH CON % 06-23-96	SETFA CON % 07-23-96	CHEAL CON % 07-23-96	ABUTH CON % 07-23-96
1A	ROUNDUP (3SL)	0.75	LAA	9	82	82	88	70	72	82
	BEV-53482 50WP	0.063	LAA	9						
	C SENCOR DF (75WG)	0.25	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
2A	ROUNDUP (3SL)	0.75	LAA	9	88	87	90	77	83	90
	BEV-53482 50WP	0.063	LAA	9						
	C SENCOR DF (75WG)	0.38	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
3A	ROUNDUP (3SL)	0.75	LAA	9	78	78	87	72	77	85
	BEV-53482 50WP	0.094	LAA	9						
	C SENCOR DF (75WG)	0.25	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
4A	ROUNDUP (3SL)	0.75	LAA	9	92	88	90	82	87	87
	BEV-53482 50WP	0.094	LAA	9						
	C SENCOR DF (75WG)	0.38	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ROUNDUP (3SL)	0.75	LAA	9	82	88	92	70	88	93
	BEV-53482 50WP	0.063	LAA	9						
	C CLASSIC (25WG)	0.016	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
7A	ROUNDUP (3SL)	0.75	LAA	9	92	90	93	73	91	93
	BEV-53482 50WP	0.063	LAA	9						
	C CLASSIC (25WG)	0.031	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
8A	ROUNDUP (3SL)	0.75	LAA	9	88	90	92	77	88	88
	BEV-53482 50WP	0.094	LAA	9						
	C CLASSIC (25WG)	0.016	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
9A	ROUNDUP (3SL)	0.75	LAA	9	95	88	92	80	88	95
	BEV-53482 50WP	0.094	LAA	9						
	C CLASSIC (25WG)	0.031	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
10A	ROUNDUP (3SL)	0.75	LAA	9	95	90	88	90	91	93
	BEV-53482 50WP	0.063	LAA	9						
	C SCEPTER 70DG (WG)	0.125	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
11A	ROUNDUP (3SL)	0.75	LAA	9	95	90	90	87	83	95
	BEV-53482 50WP	0.094	LAA	9						
	C SCEPTER 70DG (WG)	0.125	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
12A	ROUNDUP (3SL)	0.75	LAA	9	80	60	90	72	58	90
	BEV-53482 50WP	0.063	LAA	9						
	CEACTIVATE PLUS	0.5	PMV	9						
13A	ROUNDUP (3SL)	0.75	LAA	9	88	85	92	75	77	88
	BEV-53482 50WP	0.094	LAA	9						
	CEACTIVATE PLUS	0.5	PMV	9						
14A	ROUNDUP (3SL)	0.75	LAA	9	85	88	85	83	95	98
	B CANOPY (75WG)	0.23	LAA	9						
	CEACTIVATE PLUS	0.5	PMV	9						
15A	ROUNDUP (3SL)	0.75	LAA	9	90	88	90	77	91	90
	B CLASSIC (25WG)	0.031	LAA	9						
	CEV-53482 50WP	0.016	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						
16A	ROUNDUP (3SL)	0.75	LAA	9	90	87	88	82	87	87
	B CLASSIC (25WG)	0.031	LAA	9						
	CEV-53482 50WP	0.032	LAA	9						
	DEACTIVATE PLUS	0.5	PMV	9						

TRIAL # US 108/96/01 001 01 - SN53482

TRT NUM	COMPOUND	DOSAGE RATE	UNIT	TM	SETFA CON % 06-23-96	CHEAL CON % 06-23-96	ABUTH CON % 06-23-96	SETFA CON % 07-23-96	CHEAL CON % 07-23-96	ABUTH CON % 07-23-96
17A	SELECT (2EC)	0.063	LAA	9	85	68	80	73	65	83
	B£2,4-D LVE	0.5	LAA	9						
	C£V-53482 50WP	0.063	LAA	9						
	D£COC	1.00	PMV	9						
18A	SELECT (2EC)	0.063	LAA	9	80	63	88	67	47	77
	B£2,4-D LVE	0.5	LAA	9						
	C£V-53482 50WP	0.032	LAA	9						
	D£COC	1.00	PMV	9						
19A	SELECT (2EC)	0.063	LAA	9	63	0	0	52	0	0
	B£COC	1.00	PMV	9						
20A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)			9.6	16.1	6.9	14.4	13.1	10.7
		STANDARD DEVIATION			27.2	32.0	32.1	25.0	31.9	32.6

£ = SUPPLEMENTAL CHEMICAL

GRASS COMPETITION IN NO-TILL SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 6
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-12-96	06-19-96	06-27-96	07-03-96	MDY
AIR TEMPERATURE	73	75	85	83	80	½F
% REL.HUMIDITY	75	75	70	60	40	
WIND DIRECTION	EAST	NA/NONE	NA/NONE	NA/NONE	NORTH	
WIND SPEED	5.0	0.0	0.0	0.0	5.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
SOYBEAN	HGH/NA	HGH/10	HGH/11	HGH/12	HGH/13	
PIONEER 9362	****/****	2.00/3.00	3.00/4.00	5.00/5.00	6.00/6.00	IN
05-23-96						
*** PEST ***						
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	HGH/13	HGH/14	
	****/****	1.00/1.00	2.00/2.00	3.00/3.00	3.00/5.00	IN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 6

APPL. NUMBER	06	UNIT
TIMINGS	14	
TYPE	LIQMXSPR	
APPLICATION DATE	07-10-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	70	
WIND DIRECTION	NORTHWEST	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/14	
PIONEER 9362	8.00/8.00	IN
05-23-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/15	
	4.00/6.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
10 = V.EARLY POST
11 = EPOST
12 = POST
13 = LPOST
14 = V.LATE POST

*** STAGE CODE**

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket application 0.008 lb Concert, 1.0% COC, and 2.5% 28%N on 6-19-96

TRIAL # US 110/96/01 000 01 - SGRCOM1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-07-96	SETFA CON % 06-24-96	SETFA CON % 07-23-96	YIELD BU/A 10-28-96
1A	LASSO MICRO-TECH (4CS)	3.00	LAA	9	94	84	76	34.0
2A	LASSO MICRO-TECH (4CS)	3.00	LAA	9	91	99	92	32.4
B	POAST PLUS (1EC)	0.25	LAA	11				
C£	COC	1.25	PMV	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
3A	POAST PLUS (1EC)	0.25	LAA	10	0	99	87	31.3
B£	COC	1.25	PMV	10				
C	FERTILIZER - 28%UAN	2.5	PMV	10				
4A	POAST PLUS (1EC)	0.25	LAA	11	0	99	94	32.8
B£	COC	1.25	PMV	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
5A	POAST PLUS (1EC)	0.25	LAA	12	0	0	94	31.7
B£	COC	1.25	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
6A	POAST PLUS (1EC)	0.25	LAA	13	0	0	99	29.6
B£	COC	1.25	PMV	13				
C	FERTILIZER - 28%UAN	2.5	PMV	13				
7A	POAST PLUS (1EC)	0.25	LAA	14	0	0	83	33.2
B£	COC	1.25	PMV	14				
C	FERTILIZER - 28%UAN	2.5	PMV	14				
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	34.8
	LSD (0.05)				1.8	2.5	17.2	6.3
	STANDARD DEVIATION				40.2	47.9	33.1	5.2

£ = SUPPLEMENTAL CHEMICAL

PREPLANT INCORPORATED WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	07	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-21-96	MDY
AIR TEMPERATURE	87	84	½F
% REL.HUMIDITY	70	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	10.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
PIONEER 9394	****/****	5.00/5.00	IN
05-20-96			
*** PEST ***			
PIGWEED, SMOOTH	HGH/NA	HGH/13	
	****/****	1.00/1.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/15	
	****/****	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/3.00	IN

*** TIMING CODES**
07 = PREPLANT INCORPORATED
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 201/96/01 001 01 - SOYPPI1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	POLPY CON % 07-03-96	AMACH CON % 07-03-96	CHEAL CON % 07-03-96	GLXMA CON % 07-23-96
1A	COMMENCE EC (5.25EC)	1.25	LAA	7	0	94	99	99	99	0
B	CANOPY (75WG)	0.28	LAA	7						
2A	COMMENCE EC (5.25EC)	1.25	LAA	7	2	93	99	99	80	0
B	PURSUIT (2SL)	0.031	LAA	12						
C£	SUNIT II	0.75	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
3A	COMMENCE EC (5.25EC)	1.25	LAA	7	2	88	99	99	99	0
B£	AUTHORITY	0.313	LAA	7						
C	SENCOR DF (75WG)	0.188	LAA	7						
4A	TREFLAN MTF (4EC)	0.75	LAA	7	0	93	99	99	99	0
B£	AUTHORITY	0.375	LAA	7						
C	SENCOR DF (75WG)	0.225	LAA	7						
5A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	3	85	99	99	99	0
6A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	8	89	99	99	99	2
B	GALAXY (3.67SL)	0.92	LAA	12						
C£	COC	1.00	PMV	12						
7A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	7	92	99	99	99	0
B	CANOPY (75WG)	0.141	LAA	7						
8A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	0	88	99	99	99	0
9A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	7	83	99	99	99	3
B	GALAXY (3.67SL)	0.92	LAA	12						
C£	COC	1.00	PMV	12						
10A										
B										
11A£	FIRSTRATE 84WG	0.031	LAA	7	2	88	99	99	99	0
B	TREFLAN MTF (4EC)	1.00	LAA	7						
12A£	FIRSTRATE 84WG	0.039	LAA	7	0	90	99	99	99	0
B	TREFLAN MTF (4EC)	1.00	LAA	7						
13A	TREFLAN MTF (4EC)	1.00	LAA	7	2	93	99	99	99	2
B	CANOPY (75WG)	0.28	LAA	7						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A	PURSUIT PLUS (2.9EC)	0.94	LAA	7	0	95	99	99	99	0
B	PROWL 3.3EC	0.41	LAA	7						
16A£	STEEL CP	0.00	LAA	7	2	97	99	99	99	0
B	PURSUIT PLUS (2.9EC)	0.91	LAA	7						
C	SCEPTER 70DG (WG)	0.062	LAA	7						
D	PROWL 3.3EC	0.41	LAA	7						
	LSD (0.05)				5.3	5.7	0.0	0.0	2.2	2.1
	STANDARD DEVIATION				3.7	30.3	32.7	32.7	32.6	1.4

TRIAL # US 201/96/01 001 01 - SOYPPI1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	POLPY CON % 07-23-96	AMACH CON % 07-23-96	CHEAL CON % 07-23-96
1A	COMMENCE EC (5.25EC)	1.25	LAA	7	96	99	99	99
B	CANOPY (75WG)	0.28	LAA	7				
2A	COMMENCE EC (5.25EC)	1.25	LAA	7	97	99	99	96
B	PURSUIT (2SL)	0.031	LAA	12				
C£	SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
3A	COMMENCE EC (5.25EC)	1.25	LAA	7	88	99	99	99
B£	AUTHORITY	0.313	LAA	7				
C	SENCOR DF (75WG)	0.188	LAA	7				
4A	TREFLAN MTF (4EC)	0.75	LAA	7	91	99	99	99
B£	AUTHORITY	0.375	LAA	7				
C	SENCOR DF (75WG)	0.225	LAA	7				
5A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	89	99	99	99
6A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	87	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
7A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	94	99	99	99
B	CANOPY (75WG)	0.141	LAA	7				
8A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	90	99	99	99
9A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	82	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
10A								
B								
11A£	FIRSTRATE 84WG	0.031	LAA	7	93	99	99	99
B	TREFLAN MTF (4EC)	1.00	LAA	7				
12A£	FIRSTRATE 84WG	0.039	LAA	7	91	99	99	99
B	TREFLAN MTF (4EC)	1.00	LAA	7				
13A	TREFLAN MTF (4EC)	1.00	LAA	7	95	99	99	99
B	CANOPY (75WG)	0.28	LAA	7				
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
15A	PURSUIT PLUS (2.9EC)	0.94	LAA	7	97	99	99	99
B	PROWL 3.3EC	0.41	LAA	7				
16A£	STEEL CP	0.00	LAA	7	98	99	99	99
B	PURSUIT PLUS (2.9EC)	0.91	LAA	7				
C	SCEPTER 70DG (WG)	0.062	LAA	7				
D	PROWL 3.3EC	0.41	LAA	7				
	LSD (0.05)				8.0	0.0	0.0	1.3
	STANDARD DEVIATION				31.0	32.7	32.7	32.7

£ = SUPPLEMENTAL CHEMICAL

TRIAL # US 201/96/01 001 01 - SOYPPI1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	POLPY CON % 07-23-96	AMACH CON % 07-23-96	CHEAL CON % 07-23-96
1A	COMMENCE EC (5.25EC)	1.25	LAA	7	96	99	99	99
B	CANOPY (75WG)	0.28	LAA	7				
2A	COMMENCE EC (5.25EC)	1.25	LAA	7	97	99	99	96
B	PURSUIT (2SL)	0.031	LAA	12				
C£	SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
3A	COMMENCE EC (5.25EC)	1.25	LAA	7	88	99	99	99
B£	AUTHORITY	0.313	LAA	7				
C	SENCOR DF (75WG)	0.188	LAA	7				
4A	TREFLAN MTF (4EC)	0.75	LAA	7	91	99	99	99
B£	AUTHORITY	0.375	LAA	7				
C	SENCOR DF (75WG)	0.225	LAA	7				
5A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	89	99	99	99
6A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	87	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
7A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	94	99	99	99
B	CANOPY (75WG)	0.141	LAA	7				
8A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	90	99	99	99
9A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	82	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
10A								
B								
11A£	FIRSTRATE 84WG	0.031	LAA	7	93	99	99	99
B	TREFLAN MTF (4EC)	1.00	LAA	7				
12A£	FIRSTRATE 84WG	0.039	LAA	7	91	99	99	99
B	TREFLAN MTF (4EC)	1.00	LAA	7				
13A	TREFLAN MTF (4EC)	1.00	LAA	7	95	99	99	99
B	CANOPY (75WG)	0.28	LAA	7				
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
15A	PURSUIT PLUS (2.9EC)	0.94	LAA	7	97	99	99	99
B	PROWL 3.3EC	0.41	LAA	7				
16A£	STEEL CP	0.00	LAA	7	98	99	99	99
B	PURSUIT PLUS (2.9EC)	0.91	LAA	7				
C	SCEPTER 70DG (WG)	0.062	LAA	7				
D	PROWL 3.3EC	0.41	LAA	7				
	LSD (0.05)				8.0	0.0	0.0	1.3
	STANDARD DEVIATION				31.0	32.7	32.7	32.7

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS I
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	89	80	85	½F
% REL.HUMIDITY	45	80	75	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	
WIND SPEED	12.0	5.0	3.0	M/H
SKY CONDITION	OVERCAST	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/3.00	5.00/5.00	IN
05-20-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	2.00/3.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	2.00/2.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/2.00	2.00/3.00	IN
SIDA, PRICKLY	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/2.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 205/96/01 001 01 - SOYPRE1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-28-96	SETFA CON % 06-28-96	AMACH CON % 06-28-96	AMBEL CON % 06-28-96	ABUTH CON % 06-28-96	SIDSP CON % 06-28-96
1A	£COMMAND 3ME	0.75	LAA	9	5	96	99	96	98	98
	B£AUTHORITY	0.375	LAA	9						
2A	£AUTHORITY	0.313	LAA	9	5	99	99	96	98	99
	B SENCOR DF (75WG)	0.188	LAA	9						
	C POAST PLUS (1EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
3A	£AUTHORITY	0.375	LAA	9	8	99	99	96	99	96
	B SENCOR DF (75WG)	0.225	LAA	9						
	C POAST PLUS (1EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
4A	£AUTHORITY	0.313	LAA	9	7	99	99	96	98	99
	B SENCOR DF (75WG)	0.188	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	£AUTHORITY	0.375	LAA	9	28	99	99	98	98	99
	B SENCOR DF (75WG)	0.225	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
7A	£AUTHORITY	0.2	LAA	9	8	99	99	99	98	96
	B£F6025 25WG	0.04	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
8A	£AUTHORITY	0.26	LAA	9	15	99	99	99	99	99
	B£F6025 25WG	0.052	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
9A	£AUTHORITY	0.2	LAA	9	13	99	99	99	99	99
	B£F6025 25WG	0.04	LAA	9						
	C£COMMAND 3ME	0.75	LAA	9						
10A	£FIRSTRATE 84WG	0.031	LAA	9	10	99	99	99	99	96
	B DUAL II (7.8EC)	2.00	LAA	9						
11A	£FIRSTRATE 84WG	0.039	LAA	9	5	99	99	99	99	99
	B DUAL II (7.8EC)	2.00	LAA	9						
12A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	99	99	99	98	98
13A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	2	99	99	99	99	99
	B CANOPY (75WG)	0.141	LAA	9						
14A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	15	99	99	99	99	99
	B GALAXY (3.67SL)	0.92	LAA	12						
	C£COC	1.00	PMV	12						
15A	PURSUIT PLUS (2.9EC)	0.94	LAA	9	2	98	99	99	99	98
	B PROWL 3.3EC	0.41	LAA	9						
16A	CANOPY (75WG)	0.28	LAA	9	0	99	99	99	99	99
	B DUAL II (7.8EC)	2.00	LAA	9						
17A	£AUTHORITY	0.375	LAA	9	32	99	99	99	99	96
	B£AXIOM	0.81	LAA	9						
18A	CANOPY (75WG)	0.28	LAA	9	2	99	99	99	99	99
	B£AXIOM	0.81	LAA	9						
19A	£AUTHORITY	0.2	LAA	9	7	99	99	99	99	99
	B£F6025 25WG	0.04	LAA	9						
	C£AXIOM	0.81	LAA	9						
20A	PROWL 3.3EC	1.25	LAA	9	8	99	99	99	98	98
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				10.0	1.6	0.2	3.2	1.9	3.9
	STANDARD DEVIATION				9.8	21.6	21.6	21.5	21.5	21.5

TRIAL # US 205/96/01 001 01 - SOYPRE1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	AMACH CON % 07-23-96	AMBEL CON % 07-23-96	ABUTH CON % 07-23-96	SIDSP CON % 07-23-96
1A£COMMAND 3ME	0.75	LAA	9	0	96	99	91	98	95
B£AUTHORITY	0.375	LAA	9						
2A£AUTHORITY	0.313	LAA	9	0	99	99	89	99	95
B SENCOR DF (75WG)	0.188	LAA	9						
C POAST PLUS (1EC)	0.188	LAA	12						
D£COC	1.00	PMV	12						
3A£AUTHORITY	0.375	LAA	9	0	99	99	96	93	93
B SENCOR DF (75WG)	0.225	LAA	9						
C POAST PLUS (1EC)	0.188	LAA	12						
D£COC	1.00	PMV	12						
4A£AUTHORITY	0.313	LAA	9	3	99	99	92	92	92
B SENCOR DF (75WG)	0.188	LAA	9						
C DUAL II (7.8EC)	2.00	LAA	9						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A£AUTHORITY	0.375	LAA	9	23	99	99	99	99	99
B SENCOR DF (75WG)	0.225	LAA	9						
C DUAL II (7.8EC)	2.00	LAA	9						
7A£AUTHORITY	0.2	LAA	9	0	99	99	99	98	98
B£F6025 25WG	0.04	LAA	9						
C DUAL II (7.8EC)	2.00	LAA	9						
8A£AUTHORITY	0.26	LAA	9	10	98	99	99	99	98
B£F6025 25WG	0.052	LAA	9						
C DUAL II (7.8EC)	2.00	LAA	9						
9A£AUTHORITY	0.2	LAA	9	0	98	99	99	98	98
B£F6025 25WG	0.04	LAA	9						
C£COMMAND 3ME	0.75	LAA	9						
10A£FIRSTRATE 84WG	0.031	LAA	9	3	98	99	98	95	93
B DUAL II (7.8EC)	2.00	LAA	9						
11A£FIRSTRATE 84WG	0.039	LAA	9	7	97	99	99	99	96
B DUAL II (7.8EC)	2.00	LAA	9						
12A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	96	99	99	99	99
13A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	99	99	99	96
B CANOPY (75WG)	0.141	LAA	9						
14A BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	12	99	99	99	98	98
B GALAXY (3.67SL)	0.92	LAA	12						
C£COC	1.00	PMV	12						
15A PURSUIT PLUS (2.9EC)	0.94	LAA	9	0	98	99	99	98	96
B PROWL 3.3EC	0.41	LAA	9						
16A CANOPY (75WG)	0.28	LAA	9	0	99	99	99	99	98
B DUAL II (7.8EC)	2.00	LAA	9						
17A£AUTHORITY	0.375	LAA	9	25	99	99	99	98	95
B£AXIOM	0.81	LAA	9						
18A CANOPY (75WG)	0.28	LAA	9	0	99	99	99	99	97
B£AXIOM	0.81	LAA	9						
19A£AUTHORITY	0.2	LAA	9	5	98	99	99	99	96
B£F6025 25WG	0.04	LAA	9						
C£AXIOM	0.81	LAA	9						
20A PROWL 3.3EC	1.25	LAA	9	0	99	99	99	98	93
B PURSUIT (2SL)	0.063	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
LSD (0.05)				7.5	2.8	0.2	7.3	3.6	5.1
STANDARD DEVIATION				8.3	21.5	21.6	21.8	21.4	21.2

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS II
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-20-96	MDY
AIR TEMPERATURE	90	½F
% REL.HUMIDITY	50	
WIND DIRECTION	SOUTH	
WIND SPEED	12.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9394	****/****	IN
05-20-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
PIGWEED, SMOOTH	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
09 = PREEMERGENCE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket post application of 0.10 lb Select 6-26-96

TRIAL # US 206/96/01 001 01 - SOYPRE2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-20-96	SETFA CON % 06-20-96	ABUTH CON % 06-20-96	AMACH CON % 06-20-96	CHEAL CON % 06-20-96	GLXMA CON % 07-18-96
1A	COBRA (2EC)	0.25	LAA	9	0	17	73	80	78	0
2A	COBRA (2EC)	0.3	LAA	9	2	30	73	94	88	0
3A	COBRA (2EC)	0.25	LAA	9	5	98	80	99	91	0
B	DUAL II (7.8EC)	2.00	LAA	9						
4A	COBRA (2EC)	0.3	LAA	9	7	80	88	99	95	0
B	DUAL II (7.8EC)	2.00	LAA	9						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	COBRA (2EC)	0.25	LAA	9	10	98	80	99	95	0
B	£FRONTIER 6.0EC	1.00	LAA	9						
7A	COBRA (2EC)	0.3	LAA	9	8	97	82	99	91	0
B	£FRONTIER 6.0EC	1.00	LAA	9						
8A	COBRA (2EC)	0.25	LAA	9	5	95	82	99	96	0
B	LASSO MICRO-TECH (4CS)	2.00	LAA	9						
9A	COBRA (2EC)	0.3	LAA	9	10	99	90	99	98	0
B	LASSO MICRO-TECH (4CS)	2.00	LAA	9						
10A	COBRA (2EC)	0.25	LAA	9	5	88	95	99	99	0
B	SENCOR DF (75WG)	0.25	LAA	9						
11A	COBRA (2EC)	0.25	LAA	9	0	83	78	96	98	0
B	PROWL 3.3EC	1.00	LAA	9						
12A	COBRA (2EC)	0.25	LAA	9	5	98	95	99	99	0
B	CLASSIC (25WG)	0.025	LAA	9						
C	DUAL II (7.8EC)	2.00	LAA	9						
13A	COBRA (2EC)	0.25	LAA	9	8	99	95	99	99	0
B	CANOPY (75WG)	0.24	LAA	9						
C	DUAL II (7.8EC)	2.00	LAA	9						
14A	DUAL II (7.8EC)	2.00	LAA	9	0	99	63	93	83	0
15A	£FRONTIER 6.0EC	1.29	LAA	9	2	99	73	99	80	0
16A	£AXIOM	0.81	LAA	9	7	96	85	95	92	0
	LSD (0.05)				4.3	10.2	9.4	9.0	14.6	0.0
	STANDARD DEVIATION				4.1	32.1	22.2	24.2	24.3	0.0

TRIAL # US 206/96/01 001 01 - SOYPRE2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-18-06	ABUTH CON % 07-18-96	AMACH CON % 07-18-96	CHEAL CON % 07-18-96
1A	COBRA (2EC)	0.25	LAA	9	99	68	88	82
2A	COBRA (2EC)	0.3	LAA	9	99	70	94	80
3A	COBRA (2EC)	0.25	LAA	9	99	68	98	86
B	DUAL II (7.8EC)	2.00	LAA	9				
4A	COBRA (2EC)	0.3	LAA	9	99	73	98	88
B	DUAL II (7.8EC)	2.00	LAA	9				
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A	COBRA (2EC)	0.25	LAA	9	99	73	99	85
B	BEFRONTIER 6.0EC	1.00	LAA	9				
7A	COBRA (2EC)	0.3	LAA	9	99	68	99	91
B	BEFRONTIER 6.0EC	1.00	LAA	9				
8A	COBRA (2EC)	0.25	LAA	9	99	75	99	83
B	LASSO MICRO-TECH (4CS)	2.00	LAA	9				
9A	COBRA (2EC)	0.3	LAA	9	99	78	99	93
B	LASSO MICRO-TECH (4CS)	2.00	LAA	9				
10A	COBRA (2EC)	0.25	LAA	9	99	85	98	99
B	SENCOR DF (75WG)	0.25	LAA	9				
11A	COBRA (2EC)	0.25	LAA	9	99	73	93	98
B	PROWL 3.3EC	1.00	LAA	9				
12A	COBRA (2EC)	0.25	LAA	9	99	96	99	99
B	CLASSIC (25WG)	0.025	LAA	9				
C	DUAL II (7.8EC)	2.00	LAA	9				
13A	COBRA (2EC)	0.25	LAA	9	99	96	99	99
B	CANOPY (75WG)	0.24	LAA	9				
C	DUAL II (7.8EC)	2.00	LAA	9				
14A	DUAL II (7.8EC)	2.00	LAA	9	99	52	95	78
15A£	FRONTIER 6.0EC	1.29	LAA	9	99	75	98	73
16A£	AXIOM	0.81	LAA	9	99	78	91	83
	LSD (0.05)				0.0	12.7	10.5	12.0
	STANDARD DEVIATION				24.0	21.9	24.1	23.5

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF FIRSTRATE FOR WEED CONTROL IN SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	05-20-96	06-24-96	06-27-96	MDY
AIR TEMPERATURE	84	90	81	82	½F
% REL.HUMIDITY	75	45	75	60	
WIND DIRECTION	SOUTH	SOUTH	NORTHWEST	NA/NONE	
WIND SPEED	8.0	12.0	3.0	0.0	M/H
SKY CONDITION	PARTCLDY	OVERCAST	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
PIONEER 9394	****/****	****/****	5.00/5.00	6.00/6.00	IN
05-20-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/14	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
PIGWEED, SMOOTH	HGH/NA	HGH/NA	HGH/16	HGH/NA	
	****/****	****/****	2.00/5.00	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/16	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/14	HGH/NA	
	****/****	****/****	2.00/4.00	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/13	HGH/14	
	****/****	****/****	3.00/5.00	4.00/6.00	IN

*** TIMING CODES**

07 = PREPLANT INCORPORATED
09 = PREEMERGENCE
12 = POST
13 = LPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	AMACH CON % 07-03-96	POLPY CON % 07-03-96	ABUTH CON % 07-03-96
1A	FIRSTRATE 84WG	0.031	LAA	7	0	88	99	99	99	99
B	TREFLAN MTF (4EC)	1.00	LAA	7						
2A	FIRSTRATE 84WG	0.031	LAA	7	0	90	96	96	99	96
B	SELECT (2EC)	0.094	LAA	12						
C	COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	FIRSTRATE 84WG	0.031	LAA	7	12	90	98	99	99	99
B	BLAZER (2SL)	0.25	LAA	12						
C	SELECT (2EC)	0.094	LAA	12						
D	COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
4A	TREFLAN MTF (4EC)	1.00	LAA	7	0	70	68	90	88	99
B	FIRSTRATE 84WG	0.016	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	TREFLAN MTF (4EC)	1.00	LAA	7	10	80	87	98	96	93
B	FIRSTRATE 84WG	0.016	LAA	12						
C	BLAZER (2SL)	0.25	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DUAL II (7.8EC)	2.00	LAA	9	0	93	99	99	99	99
B	FIRSTRATE 84WG	0.031	LAA	9						
8A	DUAL II (7.8EC)	2.00	LAA	9	0	95	99	99	99	99
B	SENCOR DF (75WG)	0.188	LAA	9						
C	FIRSTRATE 84WG	0.031	LAA	9						
9A	DUAL II (7.8EC)	2.00	LAA	9	0	95	99	99	99	99
B	SENCOR DF (75WG)	0.375	LAA	9						
C	FIRSTRATE 84WG	0.031	LAA	9						
10A	FIRSTRATE 84WG	0.031	LAA	9	0	85	98	99	99	99
B	SELECT (2EC)	0.094	LAA	12						
C	COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	FIRSTRATE 84WG	0.031	LAA	9	15	90	99	99	99	99
B	SELECT (2EC)	0.094	LAA	12						
C	BLAZER (2SL)	0.25	LAA	12						
D	COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	DUAL II (7.8EC)	2.00	LAA	9	3	87	80	96	93	95
B	FIRSTRATE 84WG	0.016	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	0	96	98	99	99	99
B	SENCOR DF (75WG)	0.188	LAA	9						
C	FIRSTRATE 84WG	0.016	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	DUAL II (7.8EC)	2.00	LAA	9	0	96	99	99	99	99
B	SENCOR DF (75WG)	0.375	LAA	9						
C	FIRSTRATE 84WG	0.016	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
15A	DUAL II (7.8EC)	2.00	LAA	9	10	90	93	98	99	98
B	FIRSTRATE 84WG	0.016	LAA	12						
C	BLAZER (2SL)	0.25	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
16A	FIRSTRATE 84WG	0.016	LAA	12	0	27	0	0	99	99
B	ACTIVATE PLUS	0.25	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	SELECT (2EC)	0.094	LAA	13						
E	COC	1.00	PMV	13						
F	FERTILIZER - 28%UAN	2.5	PMV	13						

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	AMACH CON % 07-03-96	POLPY CON % 07-03-96	ABUTH CON % 07-03-96
17A£	FIRSTRATE 84WG	0.016	LAA	12	0	43	0	0	96	90
B	SELECT (2EC)	0.094	LAA	12						
C£	COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
18A£	FIRSTRATE 84WG	0.016	LAA	12	10	73	80	99	99	95
B	BLAZER (2SL)	0.25	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
E	SELECT (2EC)	0.094	LAA	13						
F£	COC	1.00	PMV	13						
G	FERTILIZER - 28%UAN	2.5	PMV	13						
19A£	FIRSTRATE 84WG	0.016	LAA	12	15	83	78	99	99	99
B	BLAZER (2SL)	0.25	LAA	12						
C	SELECT (2EC)	0.094	LAA	12						
D£	COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
20A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				2.9	7.6	8.2	2.8	5.4	4.2
	STANDARD DEVIATION				5.7	25.6	34.3	35.1	21.7	21.5

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-22-96	SETFA CON % 07-22-96	CHEAL CON % 07-22-96	AMACH CON % 07-22-96	POLPY CON % 07-22-96	ABUTH CON % 07-22-96
1	A£FIRSTRATE 84WG	0.031	LAA	7	0	80	98	99	99	99
	B TREFLAN MTF (4EC)	1.00	LAA	7						
2	A£FIRSTRATE 84WG	0.031	LAA	7	0	95	93	96	99	96
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
3	A£FIRSTRATE 84WG	0.031	LAA	7	2	87	93	99	99	95
	B BLAZER (2SL)	0.25	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
4	A TREFLAN MTF (4EC)	1.00	LAA	7	0	62	47	99	85	90
	B£FIRSTRATE 84WG	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
5	A TREFLAN MTF (4EC)	1.00	LAA	7	0	65	80	99	88	85
	B£FIRSTRATE 84WG	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7	A DUAL II (7.8EC)	2.00	LAA	9	0	83	99	99	99	99
	B£FIRSTRATE 84WG	0.031	LAA	9						
8	A DUAL II (7.8EC)	2.00	LAA	9	0	90	99	99	99	99
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRSTRATE 84WG	0.031	LAA	9						
9	A DUAL II (7.8EC)	2.00	LAA	9	0	85	99	99	99	99
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRSTRATE 84WG	0.031	LAA	9						
10	A£FIRSTRATE 84WG	0.031	LAA	9	0	95	95	99	99	96
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
11	A£FIRSTRATE 84WG	0.031	LAA	9	0	85	99	99	99	95
	B SELECT (2EC)	0.094	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
12	A DUAL II (7.8EC)	2.00	LAA	9	0	77	70	99	88	99
	B£FIRSTRATE 84WG	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
13	A DUAL II (7.8EC)	2.00	LAA	9	0	93	96	99	99	96
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRSTRATE 84WG	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
14	A DUAL II (7.8EC)	2.00	LAA	9	0	95	99	99	99	98
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRSTRATE 84WG	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
15	A DUAL II (7.8EC)	2.00	LAA	9	0	85	78	99	99	88
	B£FIRSTRATE 84WG	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
16	A£FIRSTRATE 84WG	0.016	LAA	12	0	68	22	0	99	99
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D SELECT (2EC)	0.094	LAA	13						
	E£COC	1.00	PMV	13						
	F FERTILIZER - 28%UAN	2.5	PMV	13						

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-22-96	SETFA CON % 07-22-96	CHEAL CON % 07-22-96	AMACH CON % 07-22-96	POLPY CON % 07-22-96	ABUTH CON % 07-22-96
17A£	FIRSTRATE 84WG	0.016	LAA	12	0	70	23	0	99	99
B	SELECT (2EC)	0.094	LAA	12						
C£	COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
18A£	FIRSTRATE 84WG	0.016	LAA	12	0	82	72	99	99	99
B	BLAZER (2SL)	0.25	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
E	SELECT (2EC)	0.094	LAA	13						
F£	COC	1.00	PMV	13						
G	FERTILIZER - 28%UAN	2.5	PMV	13						
19A£	FIRSTRATE 84WG	0.016	LAA	12	3	68	60	99	99	99
B	BLAZER (2SL)	0.25	LAA	12						
C	SELECT (2EC)	0.094	LAA	12						
D£	COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
20A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				2.3	11.7	14.5	1.9	11.5	7.7
	STANDARD DEVIATION				1.4	21.6	30.6	35.3	22.4	21.7

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-16-96
1A	£FIRSTRATE 84WG	0.031	LAA	7	50.0
	B TREFLAN MTF (4EC)	1.00	LAA	7	
2A	£FIRSTRATE 84WG	0.031	LAA	7	54.2
	B SELECT (2EC)	0.094	LAA	12	
	C£COC	1.00	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
3A	£FIRSTRATE 84WG	0.031	LAA	7	41.7
	B BLAZER (2SL)	0.25	LAA	12	
	C SELECT (2EC)	0.094	LAA	12	
	D£COC	1.00	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
4A	TREFLAN MTF (4EC)	1.00	LAA	7	43.1
	B£FIRSTRATE 84WG	0.016	LAA	12	
	C£ACTIVATE PLUS	0.25	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
5A	TREFLAN MTF (4EC)	1.00	LAA	7	42.7
	B£FIRSTRATE 84WG	0.016	LAA	12	
	C BLAZER (2SL)	0.25	LAA	12	
	D£ACTIVATE PLUS	0.25	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
6A	UNTREATED CHECK	0.00	NA	0	23.0
7A	DUAL II (7.8EC)	2.00	LAA	9	47.3
	B£FIRSTRATE 84WG	0.031	LAA	9	
8A	DUAL II (7.8EC)	2.00	LAA	9	50.8
	B SENCOR DF (75WG)	0.188	LAA	9	
	C£FIRSTRATE 84WG	0.031	LAA	9	
9A	DUAL II (7.8EC)	2.00	LAA	9	48.0
	B SENCOR DF (75WG)	0.375	LAA	9	
	C£FIRSTRATE 84WG	0.031	LAA	9	
10A	£FIRSTRATE 84WG	0.031	LAA	9	51.5
	B SELECT (2EC)	0.094	LAA	12	
	C£COC	1.00	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
11A	£FIRSTRATE 84WG	0.031	LAA	9	52.8
	B SELECT (2EC)	0.094	LAA	12	
	C BLAZER (2SL)	0.25	LAA	12	
	D£COC	1.00	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
12A	DUAL II (7.8EC)	2.00	LAA	9	42.4
	B£FIRSTRATE 84WG	0.016	LAA	12	
	C£ACTIVATE PLUS	0.25	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
13A	DUAL II (7.8EC)	2.00	LAA	9	50.1
	B SENCOR DF (75WG)	0.188	LAA	9	
	C£FIRSTRATE 84WG	0.016	LAA	12	
	D£ACTIVATE PLUS	0.25	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
14A	DUAL II (7.8EC)	2.00	LAA	9	45.9
	B SENCOR DF (75WG)	0.375	LAA	9	
	C£FIRSTRATE 84WG	0.016	LAA	12	
	D£ACTIVATE PLUS	0.25	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
15A	DUAL II (7.8EC)	2.00	LAA	9	45.9
	B£FIRSTRATE 84WG	0.016	LAA	12	
	C BLAZER (2SL)	0.25	LAA	12	
	D£ACTIVATE PLUS	0.25	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
16A	£FIRSTRATE 84WG	0.016	LAA	12	42.6
	B£ACTIVATE PLUS	0.25	PMV	12	
	C FERTILIZER - 28%UAN	2.5	PMV	12	
	D SELECT (2EC)	0.094	LAA	13	
	E£COC	1.00	PMV	13	
	F FERTILIZER - 28%UAN	2.5	PMV	13	

TRIAL # US 203/96/01 001 01 - SFIRSRT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-16-96
17	A£FIRSTRATE 84WG	0.016	LAA	12	41.7
	B SELECT (2EC)	0.094	LAA	12	
	C£COC	1.00	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
18	A£FIRSTRATE 84WG	0.016	LAA	12	50.7
	B BLAZER (2SL)	0.25	LAA	12	
	C£ACTIVATE PLUS	0.25	PMV	12	
	D FERTILIZER - 28%UAN	2.5	PMV	12	
	E SELECT (2EC)	0.094	LAA	13	
	F£COC	1.00	PMV	13	
	G FERTILIZER - 28%UAN	2.5	PMV	13	
19	A£FIRSTRATE 84WG	0.016	LAA	12	41.7
	B BLAZER (2SL)	0.25	LAA	12	
	C SELECT (2EC)	0.094	LAA	12	
	D£COC	1.00	PMV	12	
	E FERTILIZER - 28%UAN	2.5	PMV	12	
20	A£HAND WEEDED	0.00	NA	0	50.1
		LSD (0.05)			10.4
		STANDARD DEVIATION			8.6

£ = SUPPLEMENTAL CHEMICAL

TOTAL POSTEMERGENCE WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-24-96	MDY
AIR TEMPERATURE	83	83	½F
% REL.HUMIDITY	80	70	
WIND DIRECTION	SOUTHWEST	WEST	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/13	
PIONEER 9394	3.00/3.00	6.00/6.00	IN
05-20-96			
*** PEST ***			
PIGWEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/18	
	1.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	1.00/3.00	3.00/5.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 302/96/01 001 01 - STOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	AMACH CON % 07-03-96	CHEAL CON % 07-03-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A	BASAGRAN (4SL)	1.00	LAA	12	0	94	43	27	0	96
B	POAST PLUS (1EC)	0.2	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
2A	BASAGRAN (4SL)	1.00	LAA	12	7	93	96	88	0	94
B	POAST PLUS (1EC)	0.2	LAA	12						
C	CONCERT (25WG)	0.0032	LAA	12						
D	COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
3A	BASAGRAN (4SL)	1.00	LAA	12	13	92	99	72	0	77
B	POAST PLUS (1EC)	0.2	LAA	12						
C	BLAZER (2SL)	0.156	LAA	12						
D	COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
4A	GALAXY (3.67SL)	0.92	LAA	12	10	98	99	70	0	88
B	POAST PLUS (1EC)	0.188	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
5A	GALAXY (3.67SL)	0.92	LAA	12	5	95	98	85	0	97
B	POAST (1.5EC)	0.3	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	STORM (4SL)	0.75	LAA	12	8	99	99	75	0	88
B	POAST (1.5EC)	0.3	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
8A	STORM (4SL)	0.75	LAA	12	5	96	98	70	0	91
B	SELECT (2EC)	0.125	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
9A	GALAXY (3.67SL)	0.92	LAA	11	18	97	99	91	5	88
B	COC	0.625	PMV	11						
C	FERTILIZER - 28%UAN	1.25	PMV	11						
D	POAST PLUS (1EC)	0.188	LAA	12						
E	COC	0.625	PMV	12						
F	FERTILIZER - 28%UAN	1.25	PMV	12						
10A	PURSUIT (2SL)	0.063	LAA	12	7	89	99	77	0	58
B	BLAZER (2SL)	0.125	LAA	12						
C	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
11A	PURSUIT (2SL)	0.063	LAA	12	10	86	99	87	0	85
B	PINNACLE (25WG)	0.002	LAA	12						
C	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
12A	CONCERT (25WG)	0.008	LAA	12	8	99	99	85	0	94
B	ASSURE II (0.88EC)	0.062	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	FLEXSTAR	0.313	LAA	12	5	98	99	70	0	97
B	FUSION (2.66EC)	0.21	LAA	12						
C	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
14A	BASAGRAN (4SL)	1.00	LAA	12	8	96	84	58	0	93
B	RESOURCE	0.054	LAA	12						
C	POAST PLUS (1EC)	0.2	LAA	12						
D	COC	0.625	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
15A	BASAGRAN (4SL)	0.5	LAA	12	0	67	84	47	0	50
B	PURSUIT (2SL)	0.031	LAA	12						
C	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						

TRIAL # US 302/96/01 001 01 - STOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	AMACH CON % 07-03-96	CHEAL CON % 07-03-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
16A	BASAGRAN (4SL)	0.5	LAA	12	0	74	88	57	0	67
B	PURSUIT (2SL)	0.047	LAA	12						
C	ĆSUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
17A	BASAGRAN (4SL)	0.5	LAA	12	0	80	93	63	0	83
B	PURSUIT (2SL)	0.063	LAA	12						
C	ĆSUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
18A	BASAGRAN (4SL)	0.75	LAA	12	0	50	81	43	0	53
B	PURSUIT (2SL)	0.031	LAA	12						
C	ĆSUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
19A	BASAGRAN (4SL)	0.75	LAA	12	0	82	93	63	0	73
B	PURSUIT (2SL)	0.047	LAA	12						
C	ĆSUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
20A	BASAGRAN (4SL)	0.75	LAA	12	0	85	99	70	0	82
B	PURSUIT (2SL)	0.063	LAA	12						
C	ĆSUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
	LSD (0.05)				3.8	6.2	4.5	8.2	1.8	8.2
	STANDARD DEVIATION				5.5	22.9	23.8	22.2	1.4	23.0

TRIAL # US 302/96/01 001 01 - STOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 07-23-96	CHEAL CON % 07-23-96
1A	BASAGRAN (4SL)	1.00	LAA	12	30	20
	B POAST PLUS (1EC)	0.2	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
2A	BASAGRAN (4SL)	1.00	LAA	12	99	78
	B POAST PLUS (1EC)	0.2	LAA	12		
	C CONCERT (25WG)	0.0032	LAA	12		
	D£COC	0.625	PMV	12		
	E FERTILIZER - 28%UAN	1.25	PMV	12		
3A	BASAGRAN (4SL)	1.00	LAA	12	98	63
	B POAST PLUS (1EC)	0.2	LAA	12		
	C BLAZER (2SL)	0.156	LAA	12		
	D£COC	0.625	PMV	12		
	E FERTILIZER - 28%UAN	1.25	PMV	12		
4A	GALAXY (3.67SL)	0.92	LAA	12	98	62
	B POAST PLUS (1EC)	0.188	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
5A	GALAXY (3.67SL)	0.92	LAA	12	98	77
	B POAST (1.5EC)	0.3	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
6A	UNTREATED CHECK	0.00	NA	0	0	0
7A	STORM (4SL)	0.75	LAA	12	99	80
	B POAST (1.5EC)	0.3	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
8A	STORM (4SL)	0.75	LAA	12	98	76
	B SELECT (2EC)	0.125	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
9A	GALAXY (3.67SL)	0.92	LAA	11	99	93
	B£COC	0.625	PMV	11		
	C FERTILIZER - 28%UAN	1.25	PMV	11		
	D POAST PLUS (1EC)	0.188	LAA	12		
	E£COC	0.625	PMV	12		
	F FERTILIZER - 28%UAN	1.25	PMV	12		
10A	PURSUIT (2SL)	0.063	LAA	12	96	70
	B BLAZER (2SL)	0.125	LAA	12		
	C£SUNIT II	1.00	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
11A	PURSUIT (2SL)	0.063	LAA	12	98	92
	B PINNACLE (25WG)	0.002	LAA	12		
	C£SUNIT II	1.00	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
12A	CONCERT (25WG)	0.008	LAA	12	99	93
	B ASSURE II (0.88EC)	0.062	LAA	12		
	C£ACTIVATE PLUS	0.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
13A	£FLEXSTAR	0.313	LAA	12	99	65
	B FUSION (2.66EC)	0.21	LAA	12		
	C£COC	0.625	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		
14A	BASAGRAN (4SL)	1.00	LAA	12	78	57
	B£RESOURCE	0.054	LAA	12		
	C POAST PLUS (1EC)	0.2	LAA	12		
	D£COC	0.625	PMV	12		
	E FERTILIZER - 28%UAN	1.25	PMV	12		
15A	BASAGRAN (4SL)	0.5	LAA	12	68	40
	B PURSUIT (2SL)	0.031	LAA	12		
	C£SUNIT II	1.00	PMV	12		
	D FERTILIZER - 28%UAN	1.25	PMV	12		

TRIAL # US 302/96/01 001 01 - STOTPOS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMACH CON % 07-23-96	CHEAL CON % 07-23-96
16A	BASAGRAN (4SL)	0.5	LAA	12	80	48
B	PURSUIT (2SL)	0.047	LAA	12		
C£	SUNIT II	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
17A	BASAGRAN (4SL)	0.5	LAA	12	98	47
B	PURSUIT (2SL)	0.063	LAA	12		
C£	SUNIT II	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
18A	BASAGRAN (4SL)	0.75	LAA	12	72	33
B	PURSUIT (2SL)	0.031	LAA	12		
C£	SUNIT II	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
19A	BASAGRAN (4SL)	0.75	LAA	12	84	47
B	PURSUIT (2SL)	0.047	LAA	12		
C£	SUNIT II	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
20A	BASAGRAN (4SL)	0.75	LAA	12	98	53
B	PURSUIT (2SL)	0.063	LAA	12		
C£	SUNIT II	1.00	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
		LSD (0.05)			8.9	11.0
		STANDARD DEVIATION			25.9	24.5

£ = SUPPLEMENTAL CHEMICAL

COMMON RAGWEED CONTROL IN SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	83	85	½F
% REL.HUMIDITY	80	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	10.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
PIONEER 9394	3.00/4.00	5.00/5.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/15	
	2.00/2.00	2.00/4.00	IN
PIGWEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	2.00/3.00	IN
RAGWEED, COMMON	LOW/12	LOW/14	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/2.00	2.00/4.00	IN

*** TIMING CODES**

11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	AMACH CON % 07-01-96
1A	PURSUIT (2SL)	0.063	LAA	11	5	87	89	68	88	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
2A	COBRA (2EC)	0.094	LAA	11	8	93	99	32	73	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
3A	COBRA (2EC)	0.063	LAA	11	7	87	99	30	90	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
4A	BLAZER (2SL)	0.125	LAA	11	7	95	99	80	75	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	BLAZER (2SL)	0.188	LAA	11	10	92	99	77	77	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
7A	BLAZER (2SL)	0.25	LAA	11	8	92	99	80	82	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
8A	PURSUIT (2SL)	0.063	LAA	11	12	88	99	80	95	99
	B COBRA (2EC)	0.094	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT (2SL)	0.063	LAA	11	8	83	99	83	87	99
	B BLAZER (2SL)	0.125	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PURSUIT (2SL)	0.063	LAA	11	8	83	99	87	85	98
	B BLAZER (2SL)	0.188	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	PURSUIT (2SL)	0.063	LAA	11	10	83	99	88	88	99
	B BLAZER (2SL)	0.25	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
12A	SELECT (2EC)	0.094	LAA	11	10	93	99	85	98	95
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
13A	POAST PLUS (1EC)	0.094	LAA	11	10	95	99	85	95	95
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
14A	POAST PLUS (1EC)	0.141	LAA	11	17	95	99	88	96	98
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	AMACH CON % 07-01-96
15A	POAST PLUS (1EC)	0.188	LAA	11	12	95	99	77	98	95
	B ESUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E ECOC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
16A	PURSUIT (2SL)	0.063	LAA	11	2	88	99	78	93	96
	B POAST PLUS (1EC)	0.094	LAA	11						
	C ESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
17A	PURSUIT (2SL)	0.063	LAA	11	5	92	99	80	93	99
	B POAST PLUS (1EC)	0.141	LAA	11						
	C ESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
18A	PURSUIT (2SL)	0.063	LAA	11	7	93	99	82	93	99
	B POAST PLUS (1EC)	0.188	LAA	11						
	C ESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				5.1	6.7	6.5	11.6	7.7	3.4
	STANDARD DEVIATION				4.5	21.3	22.9	24.5	22.0	22.6

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMBEL CON % 07-19-96	CHEAL CON % 07-19-96	ABUTH CON % 07-19-96	AMACH CON % 07-19-96
1A PURSUIT (2SL)	0.063	LAA	11	0	82	90	57	90	95
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
2A COBRA (2EC)	0.094	LAA	11	2	85	99	17	80	99
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E£COC	1.00	PMV	12						
3A COBRA (2EC)	0.063	LAA	11	0	90	99	18	78	99
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	2.5	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E£COC	1.00	PMV	12						
4A BLAZER (2SL)	0.125	LAA	11	2	95	99	75	68	99
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E£COC	1.00	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A BLAZER (2SL)	0.188	LAA	11	2	87	99	77	75	99
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E£COC	1.00	PMV	12						
7A BLAZER (2SL)	0.25	LAA	11	2	85	98	78	77	99
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D POAST PLUS (1EC)	0.188	PMV	12						
E£COC	1.00	PMV	12						
8A PURSUIT (2SL)	0.063	LAA	11	0	77	99	73	90	99
B COBRA (2EC)	0.094	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
9A PURSUIT (2SL)	0.063	LAA	11	0	71	98	82	85	99
B BLAZER (2SL)	0.125	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
10A PURSUIT (2SL)	0.063	LAA	11	0	67	99	77	80	99
B BLAZER (2SL)	0.188	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
11A PURSUIT (2SL)	0.063	LAA	11	2	72	99	83	88	99
B BLAZER (2SL)	0.25	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
12A SELECT (2EC)	0.094	LAA	11	0	90	99	80	93	93
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E£COC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
13A POAST PLUS (1EC)	0.094	LAA	11	2	95	96	83	92	93
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E£COC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						
14A POAST PLUS (1EC)	0.141	LAA	11	5	93	99	85	92	90
B£SUNIT II	1.00	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
D GALAXY (3.67SL)	0.92	LAA	12						
E£COC	1.00	PMV	12						
F FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMBEL CON % 07-19-96	CHEAL CON % 07-19-96	ABUTH CON % 07-19-96	AMACH CON % 07-19-96
15A	POAST PLUS (1EC)	0.188	LAA	11	3	95	99	72	93	88
	BESUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	EECOC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
16A	PURSUIT (2SL)	0.063	LAA	11	0	90	98	73	87	94
	B POAST PLUS (1EC)	0.094	LAA	11						
	CESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
17A	PURSUIT (2SL)	0.063	LAA	11	0	90	99	73	87	96
	B POAST PLUS (1EC)	0.141	LAA	11						
	CESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
18A	PURSUIT (2SL)	0.063	LAA	11	0	90	94	75	82	98
	B POAST PLUS (1EC)	0.188	LAA	11						
	CESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				3.3	11.4	5.0	13.3	8.1	5.6
	STANDARD DEVIATION				2.2	22.1	22.7	26.1	20.9	22.5

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 08-23-96	SETFA CON % 08-23-96	AMBEL CON % 08-23-96	CHEAL CON % 08-23-96	ABUTH CON % 08-23-96	AMACH CON % 08-23-96
1A	PURSUIT (2SL)	0.063	LAA	11	0	86	86	83	99	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
2A	COBRA (2EC)	0.094	LAA	11	0	62	99	15	91	96
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
3A	COBRA (2EC)	0.063	LAA	11	0	77	99	33	93	98
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
4A	BLAZER (2SL)	0.125	LAA	11	0	93	99	80	82	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	BLAZER (2SL)	0.188	LAA	11	0	90	99	87	83	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
7A	BLAZER (2SL)	0.25	LAA	11	0	78	99	83	91	99
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D POAST PLUS (1EC)	0.188	PMV	12						
	E£COC	1.00	PMV	12						
8A	PURSUIT (2SL)	0.063	LAA	11	0	85	99	72	99	99
	B COBRA (2EC)	0.094	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT (2SL)	0.063	LAA	11	0	83	99	90	98	99
	B BLAZER (2SL)	0.125	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PURSUIT (2SL)	0.063	LAA	11	0	75	99	77	94	99
	B BLAZER (2SL)	0.188	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	PURSUIT (2SL)	0.063	LAA	11	0	78	99	87	99	99
	B BLAZER (2SL)	0.25	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
12A	SELECT (2EC)	0.094	LAA	11	0	95	99	90	99	98
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
13A	POAST PLUS (1EC)	0.094	LAA	11	0	92	99	85	99	95
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
14A	POAST PLUS (1EC)	0.141	LAA	11	0	96	99	88	98	94
	B£SUNIT II	1.00	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	D GALAXY (3.67SL)	0.92	LAA	12						
	E£COC	1.00	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 301/96/01 001 01 - SCOMRAG

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 08-23-96	SETFA CON % 08-23-96	AMBEL CON % 08-23-96	CHEAL CON % 08-23-96	ABUTH CON % 08-23-96	AMACH CON % 08-23-96
15A	POAST PLUS (1EC)	0.188	LAA	11	0	93	98	82	98	96
B£	SUNIT II	1.00	PMV	11						
C	FERTILIZER - 28%UAN	1.25	PMV	11						
D	GALAXY (3.67SL)	0.92	LAA	12						
E£	COC	1.00	PMV	12						
F	FERTILIZER - 28%UAN	2.5	PMV	12						
16A	PURSUIT (2SL)	0.063	LAA	11	0	91	99	88	98	99
B	POAST PLUS (1EC)	0.094	LAA	11						
C£	SUNIT II	1.00	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
17A	PURSUIT (2SL)	0.063	LAA	11	0	94	99	88	99	96
B	POAST PLUS (1EC)	0.141	LAA	11						
C£	SUNIT II	1.00	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
18A	PURSUIT (2SL)	0.063	LAA	11	0	90	99	87	99	98
B	POAST PLUS (1EC)	0.188	LAA	11						
C£	SUNIT II	1.00	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				0.0	13.8	5.9	14.6	7.7	4.9
	STANDARD DEVIATION				0.0	22.5	22.9	27.5	22.7	22.6

£ = SUPPLEMENTAL CHEMICAL

SEQUENTIAL APPLICATIONS FOR WEED CONTROL IN SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	MDY
AIR TEMPERATURE	89	84	½F
% REL.HUMIDITY	45	80	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	12.0	7.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/11	
PIONEER 9394	****/****	3.00/3.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/13	
	****/****	1.00/2.00	IN
RAGWEED, COMMON	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/15	
	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
SIDA, PRICKLY	HGH/NA	HGH/12	
	****/****	2.00/2.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 208/96/01 001 01 - SOYSEQN

TRT NUM	COMPOUND / TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-28-96	SETFA CON % 06-28-96	AMACH CON % 06-28-96	CHEAL CON % 06-28-96	ABUTH CON % 06-28-96	AMBEL CON % 06-28-96
1A	DUAL II (7.8EC)	2.00	LAA	9	12	98	99	98	95	98
	B ECGA-277476	0.07	LAA	11						
	C ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
2A	DUAL II (7.8EC)	2.00	LAA	9	15	98	99	99	98	98
	B SENCOR DF (75WG)	0.188	LAA	9						
	C ECGA-277476	0.07	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
3A	DUAL II (7.8EC)	2.00	LAA	9	10	99	99	98	96	98
	B ECGA-277476	0.056	LAA	11						
	C ACTION 4.75WP	0.0035	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	10	99	99	98	95	93
	B ECGA-277476	0.056	LAA	11						
	C BLAZER (2SL)	0.188	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
6A	DUAL II (7.8EC)	2.00	LAA	9	30	99	99	99	99	99
	B ECGA-277476	0.056	LAA	11						
	C COBRA (2EC)	0.125	LAA	11						
	D ECOC	0.5	PMV	11						
7A	DUAL II (7.8EC)	2.00	LAA	9	20	98	99	99	99	98
	B ECGA-277476	0.056	LAA	11						
	C PINNACLE (25WG)	0.004	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
8A	DUAL II (7.8EC)	2.00	LAA	9	3	99	99	87	99	99
	B EFIRSTRATE 84WG	0.016	LAA	11						
	C ACTIVATE PLUS	0.125	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
9A	DUAL II (7.8EC)	2.00	LAA	9	15	97	99	99	99	98
	B EFIRSTRATE 84WG	0.016	LAA	11						
	C PINNACLE (25WG)	0.004	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
10A	DUAL II (7.8EC)	2.00	LAA	9	15	99	99	90	99	99
	B EFIRSTRATE 84WG	0.016	LAA	11						
	C BLAZER (2SL)	0.25	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
11A	DUAL II (7.8EC)	2.00	LAA	9	28	99	99	90	98	99
	B CLASSIC (25WG)	0.01	LAA	11						
	C COBRA (2EC)	0.063	LAA	11						
	D ECOC	0.5	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
12A	PROWL 3.3EC	1.25	LAA	9	12	99	99	99	99	99
	B PURSUIT (2SL)	0.063	LAA	11						
	C ESUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
13A	PROWL 3.3EC	1.25	LAA	9	18	99	99	99	99	99
	B PURSUIT (2SL)	0.063	LAA	11						
	C PINNACLE (25WG)	0.002	LAA	11						
	D ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	1.25	PMV	11						
14A	AXIOM	0.81	LAA	9	20	99	99	99	99	99
	B PURSUIT (2SL)	0.063	LAA	11						
	C ESUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				7.8	1.6	0.4	3.2	3.4	3.6
	STANDARD DEVIATION				8.8	25.4	25.5	25.2	25.3	25.4

TRIAL # US 208/96/01 001 01 - SOYSEQN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SIDSP CON % 06-28-96	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMACH CON % 07-19-96	CHEAL CON % 07-19-96	ABUTH CON % 07-19-96
1A	DUAL II (7.8EC)	2.00	LAA	9	93	0	96	95	90	88
	B£CGA-277476	0.07	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
2A	DUAL II (7.8EC)	2.00	LAA	9	93	0	99	98	96	90
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£CGA-277476	0.07	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
3A	DUAL II (7.8EC)	2.00	LAA	9	95	0	98	96	96	88
	B£CGA-277476	0.056	LAA	11						
	C£ACTION 4.75WP	0.0035	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	92	0	99	99	92	88
	B£CGA-277476	0.056	LAA	11						
	C BLAZER (2SL)	0.188	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
6A	DUAL II (7.8EC)	2.00	LAA	9	99	18	99	99	98	93
	B£CGA-277476	0.056	LAA	11						
	C COBRA (2EC)	0.125	LAA	11						
	D£COC	0.5	PMV	11						
7A	DUAL II (7.8EC)	2.00	LAA	9	95	3	98	99	96	93
	B£CGA-277476	0.056	LAA	11						
	C PINNACLE (25WG)	0.004	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
8A	DUAL II (7.8EC)	2.00	LAA	9	93	0	99	99	82	93
	B£FIRSTRATE 84WG	0.016	LAA	11						
	C£ACTIVATE PLUS	0.125	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
9A	DUAL II (7.8EC)	2.00	LAA	9	95	0	99	99	98	98
	B£FIRSTRATE 84WG	0.016	LAA	11						
	C PINNACLE (25WG)	0.004	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
10A	DUAL II (7.8EC)	2.00	LAA	9	98	0	98	98	83	93
	B£FIRSTRATE 84WG	0.016	LAA	11						
	C BLAZER (2SL)	0.25	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
11A	DUAL II (7.8EC)	2.00	LAA	9	96	8	98	97	83	92
	B CLASSIC (25WG)	0.01	LAA	11						
	C COBRA (2EC)	0.063	LAA	11						
	D£COC	0.5	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
12A	PROWL 3.3EC	1.25	LAA	9	99	0	96	98	98	93
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
13A	PROWL 3.3EC	1.25	LAA	9	99	0	98	99	99	95
	B PURSUIT (2SL)	0.063	LAA	11						
	C PINNACLE (25WG)	0.002	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	1.25	PMV	11						
14A	£AXIOM	0.81	LAA	9	98	3	99	99	99	95
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				5.2	4.8	2.3	2.9	5.4	5.7
	STANDARD DEVIATION				24.9	5.6	25.3	25.3	24.9	24.1

TRIAL # US 208/96/01 001 01 - SOYSEQN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 07-19-96	SIDSP CON % 07-19-96
1A	DUAL II (7.8EC)	2.00	LAA	9	90	70
	B£CGA-277476	0.07	LAA	11		
	C£ACTIVATE PLUS	0.25	PMV	11		
	D FERTILIZER - 28%UAN	2.5	PMV	11		
2A	DUAL II (7.8EC)	2.00	LAA	9	90	90
	B SENCOR DF (75WG)	0.188	LAA	9		
	C£CGA-277476	0.07	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
3A	DUAL II (7.8EC)	2.00	LAA	9	88	88
	B£CGA-277476	0.056	LAA	11		
	C£ACTION 4.75WP	0.0035	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
4A	UNTREATED CHECK	0.00	NA	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	92	82
	B£CGA-277476	0.056	LAA	11		
	C BLAZER (2SL)	0.188	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
6A	DUAL II (7.8EC)	2.00	LAA	9	95	90
	B£CGA-277476	0.056	LAA	11		
	C COBRA (2EC)	0.125	LAA	11		
	D£COC	0.5	PMV	11		
7A	DUAL II (7.8EC)	2.00	LAA	9	90	85
	B£CGA-277476	0.056	LAA	11		
	C PINNACLE (25WG)	0.004	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
8A	DUAL II (7.8EC)	2.00	LAA	9	93	78
	B£FIRSTRATE 84WG	0.016	LAA	11		
	C£ACTIVATE PLUS	0.125	PMV	11		
	D FERTILIZER - 28%UAN	2.5	PMV	11		
9A	DUAL II (7.8EC)	2.00	LAA	9	97	82
	B£FIRSTRATE 84WG	0.016	LAA	11		
	C PINNACLE (25WG)	0.004	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
10A	DUAL II (7.8EC)	2.00	LAA	9	95	90
	B£FIRSTRATE 84WG	0.016	LAA	11		
	C BLAZER (2SL)	0.25	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
11A	DUAL II (7.8EC)	2.00	LAA	9	92	90
	B CLASSIC (25WG)	0.01	LAA	11		
	C COBRA (2EC)	0.063	LAA	11		
	D£COC	0.5	PMV	11		
	E FERTILIZER - 28%UAN	2.5	PMV	11		
12A	PROWL 3.3EC	1.25	LAA	9	90	92
	B PURSUIT (2SL)	0.063	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
13A	PROWL 3.3EC	1.25	LAA	9	92	92
	B PURSUIT (2SL)	0.063	LAA	11		
	C PINNACLE (25WG)	0.002	LAA	11		
	D£ACTIVATE PLUS	0.25	PMV	11		
	E FERTILIZER - 28%UAN	1.25	PMV	11		
14A	£AXIOM	0.81	LAA	9	98	93
	B PURSUIT (2SL)	0.063	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
	LSD (0.05)				5.9	6.9
	STANDARD DEVIATION				24.2	23.3

£ = SUPPLEMENTAL CHEMICAL

 POSTEMERGENCE WEED CONTROL IN SOYBEANS WITH FLEXSTAR APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-24-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	75	
WIND DIRECTION	WEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9394	6.00/6.00	IN
05-20-96		
*** PEST ***		
VELVETLEAF	HGH/15	
	3.00/5.00	IN
PIGWEED, SMOOTH	HGH/17	
	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/18	
	2.00/4.00	IN
FOXTAIL, GIANT	HGH/13	
	3.00/5.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 303/96/01 001 01 - SOYFLEX

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	AMACH CON % 07-03-96	ABUTH CON % 07-03-96	GLXMA CON % 07-24-96
1A£	TWISTER 1.82ME	0.416	LAA	12	5	83	72	99	98	0
B£	MSO	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
2A£	TWISTER 1.82ME	0.512	LAA	12	5	92	73	99	98	0
B£	MSO	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
3A£	FLEXSTAR 1.88ME	0.313	LAA	12	7	87	70	98	99	0
B	FUSION (2.66EC)	0.208	LAA	12						
C£	MSO	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
4A	REFLEX 2LC (2SL)	0.313	LAA	12	8	90	75	99	99	0
B	FUSION (2.66EC)	0.208	LAA	12						
C£	MSO	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
5A£	FLEXSTAR 1.88ME	0.313	LAA	12	10	90	85	96	95	0
B	PINNACLE (25WG)	0.002	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D£	MSO	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A£	FLEXSTAR 1.88ME	0.125	LAA	12	10	75	78	99	98	0
B	PURSUIT (2SL)	0.063	LAA	12						
C£	MSO	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
8A£	FLEXSTAR 1.88ME	0.125	LAA	12	10	77	87	99	99	0
B£	RAPTOR 1AS	0.041	LAA	12						
C£	MSO	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	REFLEX 2LC (2SL)	0.125	LAA	12	5	83	78	98	98	0
B	PURSUIT (2SL)	0.063	LAA	12						
C£	MSO	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
10A£	RAPTOR 1AS	0.041	LAA	12	10	50	63	90	92	2
B£	MSO	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	PURSUIT (2SL)	0.063	LAA	12	5	48	47	90	88	0
B£	MSO	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	CONCERT (25WG)	0.008	LAA	12	13	47	68	90	91	2
B	ASSURE II (0.88EC)	0.048	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
13A£	CGA-277476	0.07	LAA	12	7	52	65	77	83	0
B	ASSURE II (0.88EC)	0.055	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	GALAXY (3.67SL)	0.92	LAA	12	10	72	83	90	93	0
B	POAST (1.5EC)	0.3	LAA	12						
C£	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
15A	BASAGRAN (4SL)	0.5	LAA	12	10	73	75	96	96	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D£	ETH-N-GARD	0.25	PMV	12						
16A	BASAGRAN (4SL)	0.5	LAA	12	10	78	83	98	99	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D£	HASTEN	0.75	PMV	12						

TRIAL # US 303/96/01 001 01 - SOYFLEX

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	CHEAL CON % 07-03-96	AMACH CON % 07-03-96	ABUTH CON % 07-03-96	GLXMA CON % 07-24-96
17A	BASAGRAN (4SL)	0.5	LAA	12	15	78	75	91	98	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D	ETH-N-ATE	2.5	PMV	12						
18A	BASAGRAN (4SL)	0.5	LAA	12	10	73	77	98	95	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D	SYLGARD 309	0.25	PMV	12						
19A	BASAGRAN (4SL)	0.5	LAA	12	10	82	80	98	95	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D	COC	1.00	PMV	12						
20A	BASAGRAN (4SL)	0.5	LAA	12	10	87	80	99	96	0
B	REFLEX 2LC (2SL)	0.25	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D	MSO	0.75	PMV	12						
	LSD (0.05)				3.2	13.5	9.6	8.8	10.8	1.5
	STANDARD DEVIATION				3.7	22.7	19.1	21.8	21.8	0.9

TRIAL # US 303/96/01 001 01 - SOYFLEX

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-24-96	CHEAL CON % 07-24-96	AMACH CON % 07-24-96	ABUTH CON % 07-24-96
1A	£TWISTER 1.82ME	0.416	LAA	12	85	60	99	96
B	£MSO	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
2A	£TWISTER 1.82ME	0.512	LAA	12	87	57	99	99
B	£MSO	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
3A	£FLEXSTAR 1.88ME	0.313	LAA	12	88	55	99	99
B	FUSION (2.66EC)	0.208	LAA	12				
C	£MSO	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
4A	REFLEX 2LC (2SL)	0.313	LAA	12	87	65	99	99
B	FUSION (2.66EC)	0.208	LAA	12				
C	£MSO	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
5A	£FLEXSTAR 1.88ME	0.313	LAA	12	87	80	99	96
B	PINNACLE (25WG)	0.002	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£MSO	1.00	PMV	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
7A	£FLEXSTAR 1.88ME	0.125	LAA	12	55	80	99	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	£MSO	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
8A	£FLEXSTAR 1.88ME	0.125	LAA	12	75	90	99	98
B	£RAPTOR 1AS	0.041	LAA	12				
C	£MSO	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
9A	REFLEX 2LC (2SL)	0.125	LAA	12	63	75	99	94
B	PURSUIT (2SL)	0.063	LAA	12				
C	£MSO	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
10A	£RAPTOR 1AS	0.041	LAA	12	87	80	99	99
B	£MSO	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
11A	PURSUIT (2SL)	0.063	LAA	12	80	63	99	98
B	£MSO	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
12A	CONCERT (25WG)	0.008	LAA	12	88	83	99	96
B	ASSURE II (0.88EC)	0.048	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
13A	£CGA-277476	0.07	LAA	12	48	80	96	99
B	ASSURE II (0.88EC)	0.055	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
14A	GALAXY (3.67SL)	0.92	LAA	12	83	82	96	93
B	POAST (1.5EC)	0.3	LAA	12				
C	£COC	0.625	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
15A	BASAGRAN (4SL)	0.5	LAA	12	87	72	96	99
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£ETH-N-GARD	0.25	PMV	12				
16A	BASAGRAN (4SL)	0.5	LAA	12	87	72	94	99
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£HASTEN	0.75	PMV	12				

TRIAL # US 303/96/01 001 01 - SOYFLEX

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-24-96	CHEAL CON % 07-24-96	AMACH CON % 07-24-96	ABUTH CON % 07-24-96
17A	BASAGRAN (4SL)	0.5	LAA	12	70	70	99	96
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£ETH-N-ATE	2.5	PMV	12				
18A	BASAGRAN (4SL)	0.5	LAA	12	88	73	99	99
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£SYLGARD 309	0.25	PMV	12				
19A	BASAGRAN (4SL)	0.5	LAA	12	90	78	99	96
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£COC	1.00	PMV	12				
20A	BASAGRAN (4SL)	0.5	LAA	12	87	77	99	98
B	REFLEX 2LC (2SL)	0.25	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£MSO	0.75	PMV	12				
		LSD (0.05)			7.6	9.9	4.4	5.3
		STANDARD DEVIATION			21.3	19.0	21.6	21.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONRTOL IN STS SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-24-96	MDY
AIR TEMPERATURE	90	83	½F
% REL.HUMIDITY	45	70	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	12.0	3.0	M/H
SKY CONDITION	OVERCAST	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
ASGROW 3404STS	****/****	6.00/6.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/15	
	****/****	3.00/5.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/17	
	****/****	3.00/6.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/18	
	****/****	3.00/6.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	
	****/****	6.00/7.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-04-96	SETFA CON % 07-04-96	CHEAL CON % 07-04-96	ABUTH CON % 07-04-96	PHBPU CON % 07-04-96	AMACH CON % 07-04-96
1A	£SYNCHRONY STS 42DF	0.013	LAA	12	0	48	70	88	55	87
B	CLASSIC (25WG)	0.0013	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
2A	£SYNCHRONY STS 42DF	0.013	LAA	12	0	53	67	90	62	87
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	£SYNCHRONY STS 42DF	0.013	LAA	12	0	58	67	92	63	93
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
4A	£SYNCHRONY STS 42DF	0.013	LAA	12	10	57	82	96	77	99
B	COBRA (2EC)	0.063	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	PURSUIT (2SL)	0.063	LAA	12	12	62	52	95	67	99
B	COBRA (2EC)	0.063	LAA	12						
C	£SUNIT II	0.5	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	PURSUIT (2SL)	0.063	LAA	12	8	47	68	90	60	87
B	PINNACLE (25WG)	0.002	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
8A	PROWL 3.3EC	1.25	LAA	9	3	88	98	98	82	98
B	PURSUIT (2SL)	0.063	LAA	12						
C	PINNACLE (25WG)	0.002	LAA	12						
D	£ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	CONCERT (25WG)	0.008	LAA	12	0	63	67	92	63	92
B	CLASSIC (25WG)	0.0013	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
10A	CONCERT (25WG)	0.008	LAA	12	0	48	70	90	60	90
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	CONCERT (25WG)	0.008	LAA	12	0	53	68	92	60	90
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	CONCERT (25WG)	0.008	LAA	12	10	60	75	93	80	99
B	COBRA (2EC)	0.063	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	GALAXY (3.67SL)	0.092	LAA	12	7	60	45	92	48	99
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£SYLGARD	0.125	PMV	12						
D	FERTILIZER - 28%UAN	0.625	PMV	12						
14A	£BATTALION	0.075	LAA	9	2	88	99	99	90	99
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
15A	PROWL 3.3EC	1.25	LAA	9	0	78	82	98	80	95
B	PURSUIT (2SL)	0.063	LAA	12						
C	£SUNIT II	0.75	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-04-96	SETFA CON % 07-04-96	CHEAL CON % 07-04-96	ABUTH CON % 07-04-96	PHBPU CON % 07-04-96	AMACH CON % 07-04-96
16A	ERAPTOR 1AS	0.04	LAA	12	0	53	53	90	60	93
B	ESUNIT II	0.75	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
17A	CLASSIC (25WG)	0.005	LAA	12	0	58	72	93	63	93
B	PINNACLE (25WG)	0.003	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	ECOC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
18A	EHAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	LSD (0.05)				3.1	6.8	6.1	4.0	7.8	5.1
	STANDARD DEVIATION				4.5	21.0	22.5	21.7	20.7	22.2

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	CHEAL CON % 07-23-96	ABUTH CON % 07-23-96	PHBPU CON % 07-23-96	AMACH CON % 07-23-96
1A	£SYNCHRONY STS 42DF	0.013	LAA	12	2	90	89	99	88	99
B	CLASSIC (25WG)	0.0013	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
2A	£SYNCHRONY STS 42DF	0.013	LAA	12	0	93	78	98	83	99
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	£SYNCHRONY STS 42DF	0.013	LAA	12	0	84	86	99	80	99
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
4A	£SYNCHRONY STS 42DF	0.013	LAA	12	7	88	96	99	93	99
B	COBRA (2EC)	0.063	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	PURSUIT (2SL)	0.063	LAA	12	0	60	57	98	84	99
B	COBRA (2EC)	0.063	LAA	12						
C	£SUNIT II	0.5	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	PURSUIT (2SL)	0.063	LAA	12	2	73	84	97	91	99
B	PINNACLE (25WG)	0.002	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
8A	PROWL 3.3EC	1.25	LAA	9	0	93	97	99	91	99
B	PURSUIT (2SL)	0.063	LAA	12						
C	PINNACLE (25WG)	0.002	LAA	12						
D	£ACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	CONCERT (25WG)	0.008	LAA	12	0	93	93	98	93	99
B	CLASSIC (25WG)	0.0013	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
10A	CONCERT (25WG)	0.008	LAA	12	0	93	89	98	92	99
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	CONCERT (25WG)	0.008	LAA	12	2	89	92	99	91	99
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	CONCERT (25WG)	0.008	LAA	12	3	90	94	99	93	99
B	COBRA (2EC)	0.063	LAA	12						
C	ASSURE II (0.88EC)	0.055	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	GALAXY (3.67SL)	0.092	LAA	12	0	87	53	90	80	97
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£SYLGARD	0.125	PMV	12						
D	FERTILIZER - 28%UAN	0.625	PMV	12						
14A	£BATTALION	0.075	LAA	9	2	95	94	99	94	99
B	POAST PLUS (1EC)	0.188	LAA	12						
C	£COC	1.00	PMV	12						
15A	PROWL 3.3EC	1.25	LAA	9	0	89	67	98	90	99
B	PURSUIT (2SL)	0.063	LAA	12						
C	£SUNIT II	0.75	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	CHEAL CON % 07-23-96	ABUTH CON % 07-23-96	PHBPU CON % 07-23-96	AMACH CON % 07-23-96
16A£RAPTOR 1AS	0.04	LAA	12	2	95	75	99	91	99
B£SUNIT II	0.75	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
17A CLASSIC (25WG)	0.005	LAA	12	2	95	91	99	92	99
B PINNACLE (25WG)	0.003	LAA	12						
C ASSURE II (0.88EC)	0.055	LAA	12						
D£COC	1.00	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
18A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
LSD (0.05)				3.1	6.4	6.3	2.8	4.6	0.6
STANDARD DEVIATION				2.3	22.3	23.6	22.6	21.2	22.7

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-16-96
1A	£SYNCHRONY STS 42DF	0.013	LAA	12	46.0
B	CLASSIC (25WG)	0.0013	LAA	12	
C	ASSURE II (0.88EC)	0.055	LAA	12	
D	£COC	1.00	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
2A	£SYNCHRONY STS 42DF	0.013	LAA	12	34.8
B	ASSURE II (0.88EC)	0.055	LAA	12	
C	£COC	1.00	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
3A	£SYNCHRONY STS 42DF	0.013	LAA	12	41.1
B	POAST PLUS (1EC)	0.188	LAA	12	
C	£COC	1.00	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
4A	£SYNCHRONY STS 42DF	0.013	LAA	12	33.0
B	COBRA (2EC)	0.063	LAA	12	
C	ASSURE II (0.88EC)	0.055	LAA	12	
D	£COC	0.5	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
5A	UNTREATED CHECK	0.00	NA	0	13.4
6A	PURSUIT (2SL)	0.063	LAA	12	32.6
B	COBRA (2EC)	0.063	LAA	12	
C	£SUNIT II	0.5	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
7A	PURSUIT (2SL)	0.063	LAA	12	43.0
B	PINNACLE (25WG)	0.002	LAA	12	
C	£ACTIVATE PLUS	0.25	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
8A	PROWL 3.3EC	1.25	LAA	9	37.1
B	PURSUIT (2SL)	0.063	LAA	12	
C	PINNACLE (25WG)	0.002	LAA	12	
D	£ACTIVATE PLUS	0.25	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
9A	CONCERT (25WG)	0.008	LAA	12	46.7
B	CLASSIC (25WG)	0.0013	LAA	12	
C	ASSURE II (0.88EC)	0.055	LAA	12	
D	£COC	1.00	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
10A	CONCERT (25WG)	0.008	LAA	12	41.5
B	ASSURE II (0.88EC)	0.055	LAA	12	
C	£COC	1.00	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
11A	CONCERT (25WG)	0.008	LAA	12	35.6
B	POAST PLUS (1EC)	0.188	LAA	12	
C	£COC	1.00	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	
12A	CONCERT (25WG)	0.008	LAA	12	33.0
B	COBRA (2EC)	0.063	LAA	12	
C	ASSURE II (0.88EC)	0.055	LAA	12	
D	£COC	0.5	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
13A	GALAXY (3.67SL)	0.092	LAA	12	37.8
B	POAST PLUS (1EC)	0.188	LAA	12	
C	£SYLGARD	0.125	PMV	12	
D	FERTILIZER - 28%UAN	0.625	PMV	12	
14A	£BATTALION	0.075	LAA	9	33.4
B	POAST PLUS (1EC)	0.188	LAA	12	
C	£COC	1.00	PMV	12	
15A	PROWL 3.3EC	1.25	LAA	9	37.1
B	PURSUIT (2SL)	0.063	LAA	12	
C	£SUNIT II	0.75	PMV	12	
D	FERTILIZER - 28%UAN	2.5	PMV	12	

TRIAL # US 275/96/01 001 01 - USTSOY1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-16-96
16A£	RAPTOR 1AS	0.04	LAA	12	42.3
B£	SUNIT II	0.75	PMV	12	
C	FERTILIZER - 28%UAN	2.5	PMV	12	
17A	CLASSIC (25WG)	0.005	LAA	12	38.6
B	PINNACLE (25WG)	0.003	LAA	12	
C	ASSURE II (0.88EC)	0.055	LAA	12	
D£	COC	1.00	PMV	12	
E	FERTILIZER - 28%UAN	2.5	PMV	12	
18A£	HAND WEEDED	0.00	NA	0	49.7
		LSD (0.05)			12.2
		STANDARD DEVIATION			9.7

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN STS SOYBEANS WITH SYNCHRONY AND COBRA APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	83	85	½F
% REL.HUMIDITY	75	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
ASGROW 3404STS	3.00/4.00	5.00/5.00	IN
05-20-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/15	
	2.00/2.00	2.00/4.00	IN
PIGWEED, SMOOTH	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/17	
	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/12	HGH/15	
	1.00/1.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/3.00	2.00/4.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 276/96/01 001 01 - USTSOY2

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-28-96	SETFA CON % 06-28-96	CHEAL CON % 06-28-96	AMACH CON % 06-28-96	ABUTH CON % 06-28-96	PHBPU CON % 06-28-96
1AESYNCHRONY STS 42DF	0.013	LAA	11	10	96	99	99	99	99
B COBRA (2EC)	0.063	LAA	11						
CECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
EECOC	0.5	PMV	12						
2AESYNCHRONY STS 42DF	0.013	LAA	11	10	99	99	99	96	97
B COBRA (2EC)	0.094	LAA	11						
CECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
EECOC	0.5	PMV	12						
3AESYNCHRONY STS 42DF	0.013	LAA	11	10	99	99	99	98	98
B COBRA (2EC)	0.125	LAA	11						
CECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
EECOC	0.5	PMV	12						
4AESYNCHRONY STS 42DF	0.013	LAA	11	0	85	97	99	99	90
BECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
DECOC	0.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A COBRA (2EC)	0.094	LAA	11	10	98	83	99	96	83
BECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
DECOC	0.5	PMV	12						
7A COBRA (2EC)	0.125	LAA	11	10	99	87	99	99	85
BECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
DECOC	0.5	PMV	12						
8A COBRA (2EC)	0.156	LAA	11	10	97	95	99	98	88
BECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
DECOC	0.5	PMV	12						
9A COBRA (2EC)	0.1875	LAA	11	10	99	93	99	93	87
BECOC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
DECOC	0.5	PMV	12						
10A SELECT (2EC)	0.094	LAA	11	0	92	95	99	99	94
BESYNCHRONY STS 42DF	0.013	LAA	11						
CECOC	0.5	PMV	11						
11A SELECT (2EC)	0.094	LAA	11	10	96	99	99	99	98
B COBRA (2EC)	0.094	LAA	11						
CESYNCHRONY STS 42DF	0.013	LAA	11						
DECOC	0.5	PMV	11						
12A SELECT (2EC)	0.125	LAA	11	0	87	99	99	88	90
BESYNCHRONY STS 42DF	0.013	LAA	11						
CECOC	0.5	PMV	11						
13A SELECT (2EC)	0.125	LAA	11	8	88	99	99	97	98
B COBRA (2EC)	0.094	LAA	11						
CESYNCHRONY STS 42DF	0.013	LAA	11						
DECOC	0.5	PMV	11						
14A SELECT (2EC)	0.094	LAA	11	8	93	99	99	92	98
B COBRA (2EC)	0.063	LAA	11						
CESYNCHRONY STS 42DF	0.013	LAA	11						
DECOC	0.5	PMV	11						
15A SELECT (2EC)	0.094	LAA	11	8	96	94	99	99	97
B COBRA (2EC)	0.125	LAA	11						
CESYNCHRONY STS 42DF	0.013	LAA	11						
DECOC	0.5	PMV	11						
16A PURSUIT (2SL)	0.063	LAA	11	5	99	92	99	99	93
B COBRA (2EC)	0.063	LAA	11						
CECOC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
EECOC	0.5	PMV	12						
LSD (0.05)				1.9	5.1	6.6	0.0	5.4	5.7
STANDARD DEVIATION				4.3	23.5	23.7	24.0	23.7	23.3

TRIAL # US 276/96/01 001 01 - USTSOY2

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	CHEAL CON % 07-19-96	AMACH CON % 07-19-96	ABUTH CON % 07-19-96	PHBPU CON % 07-19-96
1A£SYNCHRONY STS 42DF	0.013	LAA	11	2	98	87	99	85	88
B COBRA (2EC)	0.063	LAA	11						
C£COC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E£COC	0.5	PMV	12						
2A£SYNCHRONY STS 42DF	0.013	LAA	11	2	96	93	99	80	77
B COBRA (2EC)	0.094	LAA	11						
C£COC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E£COC	0.5	PMV	12						
3A£SYNCHRONY STS 42DF	0.013	LAA	11	0	99	98	99	87	85
B COBRA (2EC)	0.125	LAA	11						
C£COC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E£COC	0.5	PMV	12						
4A£SYNCHRONY STS 42DF	0.013	LAA	11	0	93	92	99	87	83
B£COC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D£COC	0.5	PMV	12						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A COBRA (2EC)	0.094	LAA	11	3	99	43	99	88	60
B£COC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D£COC	0.5	PMV	12						
7A COBRA (2EC)	0.125	LAA	11	3	99	47	99	80	78
B£COC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D£COC	0.5	PMV	12						
8A COBRA (2EC)	0.156	LAA	11	3	98	62	99	96	78
B£COC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D£COC	0.5	PMV	12						
9A COBRA (2EC)	0.1875	LAA	11	2	98	75	99	82	73
B£COC	0.5	PMV	11						
C SELECT (2EC)	0.094	LAA	12						
D£COC	0.5	PMV	12						
10A SELECT (2EC)	0.094	LAA	11	0	92	93	98	80	78
B£SYNCHRONY STS 42DF	0.013	LAA	11						
C£COC	0.5	PMV	11						
11A SELECT (2EC)	0.094	LAA	11	0	85	92	99	92	82
B COBRA (2EC)	0.094	LAA	11						
C£SYNCHRONY STS 42DF	0.013	LAA	11						
D£COC	0.5	PMV	11						
12A SELECT (2EC)	0.125	LAA	11	0	95	96	97	85	89
B£SYNCHRONY STS 42DF	0.013	LAA	11						
C£COC	0.5	PMV	11						
13A SELECT (2EC)	0.125	LAA	11	2	82	83	99	85	95
B COBRA (2EC)	0.094	LAA	11						
C£SYNCHRONY STS 42DF	0.013	LAA	11						
D£COC	0.5	PMV	11						
14A SELECT (2EC)	0.094	LAA	11	0	92	93	99	78	83
B COBRA (2EC)	0.063	LAA	11						
C£SYNCHRONY STS 42DF	0.013	LAA	11						
D£COC	0.5	PMV	11						
15A SELECT (2EC)	0.094	LAA	11	0	92	93	99	90	85
B COBRA (2EC)	0.125	LAA	11						
C£SYNCHRONY STS 42DF	0.013	LAA	11						
D£COC	0.5	PMV	11						
16A PURSUIT (2SL)	0.063	LAA	11	0	90	72	99	99	88
B COBRA (2EC)	0.063	LAA	11						
C£COC	0.5	PMV	11						
D SELECT (2EC)	0.094	LAA	12						
E£COC	0.5	PMV	12						
LSD (0.05)				3.6	4.2	11.6	0.9	10.2	6.9
STANDARD DEVIATION				2.3	23.3	26.4	23.9	22.2	21.8

£ = SUPPLEMENTAL CHEMICAL

 WEED CONTROL IN STS SOYBEANS WITH POST COMBINATIONS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	84	84	½F
% REL.HUMIDITY	80	75	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	5.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
ASGROW 3404STS 05-20-96	3.00/4.00	5.00/5.00	IN
*** PEST ***			
VELVETLEAF	HGH/13	HGH/15	
	1.00/2.00	2.00/4.00	IN
PIGWEED, SMOOTH	HGH/13	HGH/16	
	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	HGH/16	
	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/13	HGH/16	
	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	1.00/3.00	2.00/4.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.12 lb Select 6-26-96

TRIAL # US 277/96/01 001 01 - USTSOY3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-29-96	CHEAL CON % 06-29-96	AMACH CON % 06-29-96	ABUTH CON % 06-29-96	PHBPU CON % 06-29-96
1A	RESOURCE (0.86EC)	0.027	LAA	11	3	99	99	98	97
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
2A	RESOURCE (0.86EC)	0.027	LAA	11	0	83	99	99	85
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
3A	£STELLAR	0.073	LAA	11	3	82	99	99	78
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
4A	£STELLAR	0.121	LAA	11	5	90	99	99	80
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
5A	£STELLAR	0.17	LAA	11	10	87	99	99	83
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
7A	£STELLAR	0.073	LAA	11	5	99	99	99	95
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
8A	£STELLAR	0.121	LAA	11	7	99	99	99	94
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
9A	£STELLAR	0.17	LAA	11	7	99	99	99	97
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
10A	£SYNCHRONY STS 42DF	0.013	LAA	11	0	99	99	99	93
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
11A	PURSUIT (2SL)	0.063	LAA	11	5	83	99	99	95
	B£COC	0.75	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
12A	PURSUIT (2SL)	0.063	LAA	11	8	96	99	99	97
	B COBRA (2EC)	0.063	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
13A	RESOURCE (0.86EC)	0.027	LAA	12	3	99	99	99	99
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					
14A	RESOURCE (0.86EC)	0.027	LAA	12	2	88	99	99	88
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
15A	£STELLAR	0.073	LAA	12	10	96	99	99	93
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
16A	£STELLAR	0.121	LAA	12	12	88	99	99	85
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
17A	£STELLAR	0.17	LAA	12	12	85	99	99	88
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
18A	£STELLAR	0.073	LAA	12	10	99	99	99	98
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					

TRIAL # US 277/96/01 001 01 - USTSOY3

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-29-96	CHEAL CON % 06-29-96	AMACH CON % 06-29-96	ABUTH CON % 06-29-96	PHBPU CON % 06-29-96
19AESTELLAR	0.121	LAA	12	10	99	99	99	98
BESYNCHRONY STS 42DF	0.013	LAA	12					
CECOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
20AESTELLAR	0.17	LAA	12	10	99	99	99	98
BESYNCHRONY STS 42DF	0.013	LAA	12					
CECOC	0.5	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
21AESYNCHRONY STS 42DF	0.013	LAA	12	0	90	99	99	92
BECOC	0.5	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
22A PURSUIT (2SL)	0.063	LAA	12	8	78	99	99	90
BECOC	0.75	PMV	12					
C FERTILIZER - 28%UAN	2.5	PMV	12					
LSD (0.05)				3.7	6.7	0.0	0.4	6.6
STANDARD DEVIATION				4.3	20.7	20.6	20.6	20.3

TRIAL # US 277/96/01 001 01 - USTSOY3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-20-96	CHEAL CON % 07-20-96	AMACH CON % 07-20-96	ABUTH CON % 07-20-96	PHBPU CON % 07-20-96
1A	RESOURCE (0.86EC)	0.027	LAA	11	2	92	99	96	92
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
2A	RESOURCE (0.86EC)	0.027	LAA	11	0	77	96	98	93
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
3A	£STELLAR	0.073	LAA	11	0	72	99	88	96
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
4A	£STELLAR	0.121	LAA	11	2	80	99	96	83
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
5A	£STELLAR	0.17	LAA	11	2	80	99	87	90
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
7A	£STELLAR	0.073	LAA	11	2	95	99	99	82
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
8A	£STELLAR	0.121	LAA	11	0	99	99	96	82
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
9A	£STELLAR	0.17	LAA	11	0	95	99	94	80
	B£SYNCHRONY STS 42DF	0.013	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
10A	£SYNCHRONY STS 42DF	0.013	LAA	11	0	88	99	96	73
	B£COC	0.5	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
11A	PURSUIT (2SL)	0.063	LAA	11	0	70	99	93	83
	B£COC	0.75	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
12A	PURSUIT (2SL)	0.063	LAA	11	0	85	99	99	93
	B COBRA (2EC)	0.063	LAA	11					
	C£COC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
13A	RESOURCE (0.86EC)	0.027	LAA	12	0	95	99	99	98
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					
14A	RESOURCE (0.86EC)	0.027	LAA	12	0	75	99	99	92
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
15A	£STELLAR	0.073	LAA	12	0	75	99	99	82
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
16A	£STELLAR	0.121	LAA	12	0	73	99	99	78
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
17A	£STELLAR	0.17	LAA	12	2	70	99	99	83
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
18A	£STELLAR	0.073	LAA	12	3	96	99	99	83
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					

TRIAL # US 277/96/01 001 01 - USTSOY3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-20-96	CHEAL CON % 07-20-96	AMACH CON % 07-20-96	ABUTH CON % 07-20-96	PHBPU CON % 07-20-96
19	A£STELLAR	0.121	LAA	12	0	92	99	99	78
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					
20	A£STELLAR	0.17	LAA	12	2	93	98	99	87
	B£SYNCHRONY STS 42DF	0.013	LAA	12					
	C£COC	0.5	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					
21	A£SYNCHRONY STS 42DF	0.013	LAA	12	0	87	99	99	80
	B£COC	0.5	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
22	A PURSUIT (2SL)	0.063	LAA	12	2	72	99	98	88
	B£COC	0.75	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
	LSD (0.05)				2.8	7.1	1.1	6.8	9.2
	STANDARD DEVIATION				1.7	20.2	20.6	20.7	19.4

£ = SUPPLEMENTAL CHEMICAL

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 36 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-20-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	89	80	83	½F
% REL.HUMIDITY	50	80	75	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	
WIND SPEED	12.0	7.0	3.0	M/H
SKY CONDITION	OVERCAST	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	MOIST	MOIST	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/3.00	5.00/5.00	IN
05-20-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	2.00/4.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/1.00	2.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	3.00/4.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket application 0.19 lb Poast Plus 5-31-96

TRIAL # US 210/96/01 001 01 - SAUCLAS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-17-96	SETFA CON % 06-17-96	GLXMA CON % 06-25-96	PHBPU CON % 06-25-96	ABUTH CON % 06-25-96	CHEAL CON % 06-25-96
1A	E AUTHORITY	0.16	LAA	9	0	60	0	90	99	99
	B E F6025 25WG	0.032	LAA	9						
2A	E AUTHORITY	0.2	LAA	9	2	88	0	93	99	99
	B E F6025 25WG	0.04	LAA	9						
3A	E AUTHORITY	0.23	LAA	9	3	93	0	95	99	99
	B E F6025 25WG	0.046	LAA	9						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	CANOPY (75WG)	0.28	LAA	9	2	77	0	83	98	99
6A	PURSUIT PLUS (2.9EC)	0.94	LAA	9	0	93	0	92	98	99
7A	E AUTHORITY	0.2	LAA	9	10	95	5	96	99	99
	B E F6025 25WG	0.04	LAA	9						
	C DUAL II (7.8EC)	1.5	LAA	9						
8A	E AUTHORITY	0.16	LAA	9	0	77	5	93	99	99
	B E F6025 25WG	0.032	LAA	9						
	C E SYNCHRONY STS 42DF	0.013	LAA	12						
	D E COC	1.00	PMV	12						
9A	PURSUIT (2SL)	0.063	LAA	11	0	0	8	68	99	99
	B PINNACLE (25WG)	0.002	LAA	11						
	C E ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PURSUIT (2SL)	0.063	LAA	11	0	0	13	90	99	99
	B BLAZER (2SL)	0.25	LAA	11						
	C E SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	PROWL 3.3EC	1.25	LAA	9	3	85	5	75	99	99
	B PURSUIT (2SL)	0.063	LAA	11						
	C E SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
12A E	HAND WEEDED	0.00	NA	0	0	96	0	99	99	99
	LSD (0.05)				7.1	13.0	5.4	4.3	1.6	0.0
	STANDARD DEVIATION				4.4	38.6	4.9	26.1	27.3	27.4

TRIAL # US 210/96/01 001 01 - SAUCLAS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 06-25-96	GLXMA CON % 07-23-96	PHBPU CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
1A	EAUTHORITY	0.16	LAA	9	99	0	90	99	99
	BEF6025 25WG	0.032	LAA	9					
2A	EAUTHORITY	0.2	LAA	9	99	0	93	99	99
	BEF6025 25WG	0.04	LAA	9					
3A	EAUTHORITY	0.23	LAA	9	99	0	95	98	99
	BEF6025 25WG	0.046	LAA	9					
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
5A	CANOPY (75WG)	0.28	LAA	9	99	0	80	99	99
6A	PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	0	92	99	99
7A	EAUTHORITY	0.2	LAA	9	99	0	95	99	99
	BEF6025 25WG	0.04	LAA	9					
	C DUAL II (7.8EC)	1.5	LAA	9					
8A	EAUTHORITY	0.16	LAA	9	99	0	96	98	99
	BEF6025 25WG	0.032	LAA	9					
	CESYNCHRONY STS 42DF	0.013	LAA	12					
	DECOC	1.00	PMV	12					
9A	PURSUIT (2SL)	0.063	LAA	11	96	0	68	96	98
	B PINNACLE (25WG)	0.002	LAA	11					
	CEACTIVATE PLUS	0.25	PMV	11					
	D FERTILIZER - 28%UAN	1.25	PMV	11					
10A	PURSUIT (2SL)	0.063	LAA	11	99	5	82	90	93
	B BLAZER (2SL)	0.25	LAA	11					
	CESUNIT II	0.75	PMV	11					
	D FERTILIZER - 28%UAN	1.25	PMV	11					
11A	PROWL 3.3EC	1.25	LAA	9	99	0	80	98	99
	B PURSUIT (2SL)	0.063	LAA	11					
	CESUNIT II	0.75	PMV	11					
	D FERTILIZER - 28%UAN	1.25	PMV	11					
12A	EHAND WEEDED	0.00	NA	0	99	0	99	99	99
		LSD (0.05)			2.5	2.4	6.8	4.8	5.5
		STANDARD DEVIATION			27.3	1.8	26.1	27.2	27.4

TRIAL # US 210/96/01 001 01 - SAUCLAS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 07-23-96	YIELD BU/A 10-28-96
1	A£AUTHORITY	0.16	LAA	9	99	42.5
	B£F6025 25WG	0.032	LAA	9		
2	A£AUTHORITY	0.2	LAA	9	99	40.8
	B£F6025 25WG	0.04	LAA	9		
3	A£AUTHORITY	0.23	LAA	9	99	44.6
	B£F6025 25WG	0.046	LAA	9		
4	A UNTREATED CHECK	0.00	NA	0	0	20.8
5	A CANOPY (75WG)	0.28	LAA	9	99	42.5
6	A PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	40.5
7	A£AUTHORITY	0.2	LAA	9	99	40.6
	B£F6025 25WG	0.04	LAA	9		
	C DUAL II (7.8EC)	1.5	LAA	9		
8	A£AUTHORITY	0.16	LAA	9	99	42.5
	B£F6025 25WG	0.032	LAA	9		
	C£SYNCHRONY STS 42DF	0.013	LAA	12		
	D£COC	1.00	PMV	12		
9	A PURSUIT (2SL)	0.063	LAA	11	93	32.5
	B PINNACLE (25WG)	0.002	LAA	11		
	C£ACTIVATE PLUS	0.25	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
10	A PURSUIT (2SL)	0.063	LAA	11	96	31.1
	B BLAZER (2SL)	0.25	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
11	A PROWL 3.3EC	1.25	LAA	9	96	34.7
	B PURSUIT (2SL)	0.063	LAA	11		
	C£SUNIT II	0.75	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
12	A£HAND WEEDED	0.00	NA	0	99	42.4
			LSD (0.05)		4.3	13.8
			STANDARD DEVIATION		27.2	9.5

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF V-53482 FOR WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	40	
WIND DIRECTION	NORTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
PIONEER 9362	****/****	IN
05-21-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

* **TIMING CODES**
09 = PREEMERGENCE

* **STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 309/96/01 001 01 - SC53482

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-21-96	SETFA CON % 06-21-96	ABUTH CON % 06-21-96	GLXMA CON % 07-18-96	YIELD BU/A 10-28-96
1A£	V-53482 50WP	0.063	LAA	9	8	97	96	0	52.2
B	DUAL II (7.8EC)	2.00	LAA	9					
C	CLASSIC (25WG)	0.025	LAA	9					
2A£	V-53482 50WP	0.063	LAA	9	7	88	82	0	52.2
B	DUAL II (7.8EC)	2.00	LAA	9					
C	SENCOR DF (75WG)	0.25	LAA	9					
3A£	V-53482 50WP	0.063	LAA	9	8	93	92	3	45.4
B	DUAL II (7.8EC)	2.00	LAA	9					
C	SENCOR DF (75WG)	0.38	LAA	9					
4A£	V-53482 50WP	0.063	LAA	9	8	98	98	3	49.3
B	DUAL II (7.8EC)	2.00	LAA	9					
C	SCEPTER 70DG (WG)	0.125	LAA	9					
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	33.8
6A	DUAL II (7.8EC)	2.00	LAA	9	2	96	91	0	49.3
B	CLASSIC (25WG)	0.025	LAA	9					
7A	DUAL II (7.8EC)	2.00	LAA	9	0	98	50	0	54.1
B	SENCOR DF (75WG)	0.25	LAA	9					
8A	DUAL II (7.8EC)	2.00	LAA	9	2	94	83	0	50.3
B	SENCOR DF (75WG)	0.38	LAA	9					
9A	DUAL II (7.8EC)	2.00	LAA	9	0	99	98	0	52.2
B	SCEPTER 70DG (WG)	0.125	LAA	9					
10A£	V-53482 50WP	0.063	LAA	9	12	99	99	5	50.3
B£	FRONTIER 6.0EC	1.2	LAA	9					
C	CANOPY (75WG)	0.28	LAA	9					
11A£	FRONTIER 6.0EC	1.2	LAA	9	0	90	91	0	51.2
B	CANOPY (75WG)	0.28	LAA	9					
12A£	V-53482 50WP	0.063	LAA	9	10	98	98	2	51.2
B£	FRONTIER 6.0EC	1.2	LAA	9					
C	CLASSIC (25WG)	0.025	LAA	9					
13A£	V-53482 50WP	0.063	LAA	9	10	99	87	5	55.1
B£	FRONTIER 6.0EC	1.2	LAA	9					
C	SENCOR DF (75WG)	0.25	LAA	9					
14A£	V-53482 50WP	0.063	LAA	9	15	99	99	7	52.2
B£	FRONTIER 6.0EC	1.2	LAA	9					
C	SENCOR DF (75WG)	0.38	LAA	9					
15A£	FRONTIER 6.0EC	1.2	LAA	9	0	99	99	0	53.2
B	CLASSIC (25WG)	0.025	LAA	9					
16A£	FRONTIER 6.0EC	1.2	LAA	9	7	98	90	0	54.1
B	SENCOR DF (75WG)	0.25	LAA	9					
17A£	FRONTIER 6.0EC	1.2	LAA	9	7	97	93	0	51.2
B	SENCOR DF (75WG)	0.375	LAA	9					
18A	DUAL II (7.8EC)	2.00	LAA	9	0	99	99	0	57.0
B	CANOPY (75WG)	0.28	LAA	9					
	LSD (0.05)				3.4	5.0	7.8	2.3	6.5
	STANDARD DEVIATION				5.1	22.5	24.0	2.4	6.1

£ = SUPPLEMENTAL CHEMICAL

STS AND NON-STS SOYBEAN YIELD STUDY
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	12	13	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-24-96	06-28-96	MDY
AIR TEMPERATURE	80	85	½F
% REL.HUMIDITY	70	70	
WIND DIRECTION	NORTHWEST	SOUTH	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/12	HGH/13	
ASGROW A2704STS	5.00/5.00	6.00/6.00	IN
05-24-96			
*** CROP ***			
SOYBEAN	HGH/12	HGH/13	
PIONEER 9281	5.00/5.00	6.00/6.00	IN
05-24-96			

*** TIMING CODES**
12 = POST
13 = LPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.0 lb Dual II and 0.375 lb Sencor 5-30-96

TRIAL # US 270/96/01 001 01 - SASGROW

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	GLXMA CON % 07-22-96	YIELD BU/A 10-16-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	53.5
B	£A2704 STS	0.00	NA	0			
2A	PURSUIT (2SL)	0.063	LAA	12	4	0	57.2
B	£MSO	0.75	PMV	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
D	£A2704 STS	0.00	NA	0			
3A	PURSUIT (2SL)	0.063	LAA	13	11	0	51.3
B	COBRA (2EC)	0.063	LAA	13			
C	£MSO	0.5	PMV	13			
D	FERTILIZER - 28%UAN	2.5	PMV	13			
E	£A2704 STS	0.00	NA	0			
4A	£SYNCHRONY STS 42DF	0.013	LAA	12	4	0	54.6
B	£COC	1.00	PMV	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
D	£A2704 STS	0.00	NA	0			
5A	£SYNCHRONY STS 42DF	0.013	LAA	13	19	1	52.9
B	£COC	1.00	PMV	13			
C	FERTILIZER - 28%UAN	2.5	PMV	13			
D	£A2704 STS	0.00	NA	0			
6A	£SYNCHRONY STS 42DF	0.013	LAA	13	19	0	52.9
B	COBRA (2EC)	0.063	LAA	13			
C	£COC	0.5	PMV	13			
D	FERTILIZER - 28%UAN	2.5	PMV	13			
E	£A2704 STS	0.00	NA	0			
7A	UNTREATED CHECK	0.00	NA	0	0	0	48.6
B	£P9281 SOYBEAN	0.00	NA	0			
8A	PURSUIT (2SL)	0.063	LAA	12	8	0	49.2
B	£MSO	0.75	PMV	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
D	£P9281 SOYBEAN	0.00	NA	0			
9A	PURSUIT (2SL)	0.063	LAA	13	14	0	49.7
B	COBRA (2EC)	0.063	LAA	13			
C	£MSO	0.5	PMV	13			
D	FERTILIZER - 28%UAN	2.5	PMV	13			
E	£P9281 SOYBEAN	0.00	NA	0			
	LSD (0.05)				6.0	1.2	8.7
	STANDARD DEVIATION				7.8	0.8	7.6

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN LIBERTY-LINK SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-24-96	06-17-96	06-21-96	06-27-96	MDY
AIR TEMPERATURE	71	83	82	81	½F
% REL.HUMIDITY	85	80	80	60	
WIND DIRECTION	EAST	SOUTHWEST	SOUTH	NA/NONE	
WIND SPEED	3.0	5.0	2.0	0.0	M/H
SKY CONDITION	CLOUDY	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	MOIST	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
GLUFOSINATE TOLE	****/****	3.00/3.00	3.00/5.00	6.00/6.00	IN
05-24-96					
*** PEST ***					
PIGWEED, SMOOTH	HGH/NA	HGH/13	HGH/15	HGH/17	
	****/****	1.00/2.00	2.00/3.00	3.00/5.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/2.00	3.00/4.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	HGH/16	
	****/****	2.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/5.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 230/96/01 001 01 - SLIBLNK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-02-96	SETFA CON % 07-02-96	POLPY CON % 07-02-96	AMACH CON % 07-02-96	PHBPU CON % 07-02-96	GLXMA CON % 07-23-96
1A£	LIBERTY	0.267	LAA	12	13	95	97	98	85	5
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
2A£	LIBERTY	0.356	LAA	12	7	99	99	99	96	0
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
3A£	LIBERTY	0.356	LAA	12	5	99	99	99	97	2
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C£	CULTIVATE 14DAT	0.00	NA	0						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	SENCOR DF (75WG)	0.375	LAA	9	2	98	98	99	96	0
B£	LIBERTY	0.356	LAA	12						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
6A	PROWL 3.3EC	1.00	LAA	9	5	99	96	99	95	0
B£	LIBERTY	0.356	LAA	12						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
7A£	LIBERTY	0.356	LAA	12	7	99	99	99	99	0
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C£	LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
8A£	LIBERTY	0.267	LAA	12	5	99	99	99	99	2
B	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
C£	LIBERTY	0.267	LAA	13						
D	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13						
9A	PROWL 3.3EC	1.00	LAA	9	2	97	98	98	87	0
B	PURSUIT (2SL)	0.063	LAA	11						
C£	SUNIT II	0.75	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
10A£	LIBERTY	0.356	LAA	12	5	99	99	99	99	0
B	PURSUIT (2SL)	0.031	LAA	12						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
11A	GALAXY (3.67SL)	0.92	LAA	12	13	99	99	99	81	5
B	POAST (1.5EC)	0.3	LAA	12						
C£	COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
12A£	LIBERTY	0.267	LAA	12	33	98	99	99	96	8
B	PINNACLE (25WG)	0.004	LAA	12						
C	FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12						
	LSD (0.05)				6.3	2.0	2.3	1.5	3.3	3.4
	STANDARD DEVIATION				9.1	27.2	27.2	27.3	26.5	3.2

TRIAL # US 230/96/01 001 01 - SLIBLNK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	POLPY CON % 07-23-96	AMACH CON % 07-23-96	PHBPU CON % 07-23-96
1	A£LIBERTY	0.267	LAA	12	90	93	89	83
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
2	A£LIBERTY	0.356	LAA	12	93	98	90	88
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
3	A£LIBERTY	0.356	LAA	12	96	99	93	88
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
	C£CULTIVATE 14DAT	0.00	NA	0				
4	A UNTREATED CHECK	0.00	NA	0	0	0	0	0
5	A SENCOR DF (75WG)	0.375	LAA	9	93	98	93	92
	B£LIBERTY	0.356	LAA	12				
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
6	A PROWL 3.3EC	1.00	LAA	9	96	96	98	93
	B£LIBERTY	0.356	LAA	12				
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
7	A£LIBERTY	0.356	LAA	12	96	99	98	98
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
	C£LIBERTY	0.267	LAA	13				
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13				
8	A£LIBERTY	0.267	LAA	12	98	99	99	98
	B FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
	C£LIBERTY	0.267	LAA	13				
	D FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	13				
9	A PROWL 3.3EC	1.00	LAA	9	93	95	98	85
	B PURSUIT (2SL)	0.063	LAA	11				
	C£SUNIT II	0.75	PMV	11				
	D FERTILIZER - 28%UAN	1.25	PMV	11				
10	A£LIBERTY	0.356	LAA	12	95	98	98	96
	B PURSUIT (2SL)	0.031	LAA	12				
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
11	A GALAXY (3.67SL)	0.92	LAA	12	96	99	91	75
	B POAST (1.5EC)	0.3	LAA	12				
	C£COC	0.625	PMV	12				
	D FERTILIZER - 28%UAN	1.25	PMV	12				
12	A£LIBERTY	0.267	LAA	12	83	98	93	87
	B PINNACLE (25WG)	0.004	LAA	12				
	C FERTILIZER-21% AMMONIUM SULFATE	17.00	PMG	12				
	LSD (0.05)				4.2	6.4	12.1	10.0
	STANDARD DEVIATION				26.3	27.1	26.9	26.1

£ = SUPPLEMENTAL CHEMICAL

 WEED CONTROL IN ROUNDUP READY SOYBEANS IN 7.5-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-16-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	78	88	79	80	½F
% REL.HUMIDITY	50	75	73	60	
WIND DIRECTION	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	5.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-22-96				MDY
INC. START	10:00				24H
INC. END	10:15				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/12	HGH/15	HGH/18	
	****/****	1.00/2.00	2.00/5.00	4.00/8.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	HGH/15	HGH/19	
	****/****	1.00/1.00	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/13	HGH/16	HGH/19	
	****/****	1.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	2.00/2.00	3.00/5.00	4.00/6.00	IN

*** TIMING CODES**

07 = PREPLANT INCORPORATED
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 215/96/01 001 01 - RRSOY75

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	AMACH CON % 07-08-96	AMATA CON % 07-08-96	GLXMA CON % 07-25-96
1A	ROUNDUP (3SL)	0.38	LAA	12	0	99	87	99	99	0
	B ACTIVATOR 90	0.5	PMV	12						
2A	ROUNDUP (3SL)	0.56	LAA	12	0	99	87	99	99	0
	B ACTIVATOR 90	0.5	PMV	12						
3A	ROUNDUP (3SL)	0.75	LAA	12	2	99	93	99	99	0
	B ACTIVATOR 90	0.5	PMV	12						
4A	ROUNDUP (3SL)	0.38	LAA	13	2	99	70	99	93	2
	B ACTIVATOR 90	0.5	PMV	13						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ROUNDUP (3SL)	0.56	LAA	13	0	99	85	99	95	0
	B ACTIVATOR 90	0.5	PMV	13						
7A	ROUNDUP (3SL)	0.75	LAA	13	0	96	90	99	99	0
	B ACTIVATOR 90	0.5	PMV	13						
8A	ROUNDUP (3SL)	0.38	LAA	12	0	99	95	99	99	2
	B ACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.38	LAA	13						
	D ACTIVATOR 90	0.5	PMV	13						
9A	ROUNDUP (3SL)	0.56	LAA	12	5	98	96	99	99	2
	B ACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.56	LAA	13						
	D ACTIVATOR 90	0.5	PMV	13						
10A	FIRSTRATE 84WG	0.031	LAA	7	2	96	95	99	99	0
	B TREFLAN MTF (4EC)	1.00	LAA	7						
11A	COMMAND 3ME	0.75	LAA	7	2	93	96	99	99	0
	B AUTHORITY	0.2	LAA	7						
	C F6025 25WG	0.04	LAA	7						
12A	PROWL 3.3EC	1.00	LAA	7	5	96	83	99	99	0
	B PURSUIT (2SL)	0.063	LAA	11						
	C SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
13A	PURSUIT (2SL)	0.063	LAA	11	7	92	92	99	99	0
	B PINNACLE (25WG)	0.002	LAA	11						
	C ACTIVATOR 90	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
14A	CONCERT (25WG)	0.008	LAA	12	18	99	88	99	99	8
	B ASSURE II (0.88EC)	0.055	LAA	12						
	C ACTIVATOR 90	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
15A	GALAXY (3.67SL)	0.92	LAA	12	13	96	88	96	99	5
	B POAST (1.5EC)	0.3	LAA	12						
	C COC	0.625	PMV	12						
	D FERTILIZER - 28%UAN	1.25	PMV	12						
16A	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
	LSD (0.05)				5.8	2.8	11.4	2.2	2.9	2.3
	STANDARD DEVIATION				6.0	23.7	23.4	24.0	23.9	2.5

TRIAL # US 215/96/01 001 01 - RRSOY75

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-25-96	ABUTH CON % 07-25-96	AMACH CON % 07-25-96	AMATA CON % 07-25-96	YIELD BU/A 10-15-96
1A ROUNDUP (3SL)	0.38	LAA	12	99	88	99	99	58.3
B£ACTIVATOR 90	0.5	PMV	12					
2A ROUNDUP (3SL)	0.56	LAA	12	99	87	99	99	69.2
B£ACTIVATOR 90	0.5	PMV	12					
3A ROUNDUP (3SL)	0.75	LAA	12	99	95	99	99	70.8
B£ACTIVATOR 90	0.5	PMV	12					
4A ROUNDUP (3SL)	0.38	LAA	13	98	75	99	97	54.0
B£ACTIVATOR 90	0.5	PMV	13					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	48.0
6A ROUNDUP (3SL)	0.56	LAA	13	96	87	99	96	75.1
B£ACTIVATOR 90	0.5	PMV	13					
7A ROUNDUP (3SL)	0.75	LAA	13	97	92	99	99	71.7
B£ACTIVATOR 90	0.5	PMV	13					
8A ROUNDUP (3SL)	0.38	LAA	12	99	95	99	99	69.2
B£ACTIVATOR 90	0.5	PMV	12					
C ROUNDUP (3SL)	0.38	LAA	13					
D£ACTIVATOR 90	0.5	PMV	13					
9A ROUNDUP (3SL)	0.56	LAA	12	99	96	99	99	72.6
B£ACTIVATOR 90	0.5	PMV	12					
C ROUNDUP (3SL)	0.56	LAA	13					
D£ACTIVATOR 90	0.5	PMV	13					
10A£FIRSTRATE 84WG	0.031	LAA	7	95	86	99	99	62.3
B TREFLAN MTF (4EC)	1.00	LAA	7					
11A£COMMAND 3ME	0.75	LAA	7	95	93	99	99	64.9
B£AUTHORITY	0.2	LAA	7					
C£F6025 25WG	0.04	LAA	7					
12A PROWL 3.3EC	1.00	LAA	7	95	82	99	99	69.1
B PURSUIT (2SL)	0.063	LAA	11					
C£SUNIT II	1.00	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
13A PURSUIT (2SL)	0.063	LAA	11	92	90	99	99	64.2
B PINNACLE (25WG)	0.002	LAA	11					
C£ACTIVATOR 90	0.25	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
14A CONCERT (25WG)	0.008	LAA	12	98	85	99	98	62.5
B ASSURE II (0.88EC)	0.055	LAA	12					
C£ACTIVATOR 90	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
15A GALAXY (3.67SL)	0.92	LAA	12	96	87	94	96	61.6
B POAST (1.5EC)	0.3	LAA	12					
C£COC	0.625	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
16A£HAND WEEDED	0.00	NA	0	99	99	99	99	65.0
LSD (0.05)				3.1	11.1	3.4	2.6	18.0
STANDARD DEVIATION				23.6	23.0	24.0	23.9	11.1

£ = SUPPLEMENTAL CHEMICAL

 WEED CONTROL IN ROUNDUP READY SOYBEANS IN 15-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-16-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	80	88	79	80	½F
% REL.HUMIDITY	50	75	73	60	
WIND DIRECTION	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	5.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	CLEAR	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-22-96				MDY
INC. START	10:00				24H
INC. END	10:15				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/13	HGH/15	HGH/17	
	****/****	1.00/2.00	2.00/4.00	4.00/8.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/14	HGH/16	HGH/19	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/14	HGH/16	HGH/19	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/6.00	IN

APPLICATIONS

* TIMING CODES
07 = PREPLANT INCORPORATED
11 = EPOST
12 = POST
13 = LPOST

* STAGE CODE
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 216/96/01 001 01 - RRSOY15

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	AMACH CON % 07-08-96	AMATA CON % 07-08-96	GLXMA CON % 07-25-96
1A	ROUNDUP (3SL)	0.38	LAA	12	0	98	95	99	99	0
	BEACTIVATOR 90	0.5	PMV	12						
2A	ROUNDUP (3SL)	0.56	LAA	12	0	96	93	99	99	0
	BEACTIVATOR 90	0.5	PMV	12						
3A	ROUNDUP (3SL)	0.75	LAA	12	0	95	95	99	99	0
	BEACTIVATOR 90	0.5	PMV	12						
4A	ROUNDUP (3SL)	0.38	LAA	13	0	96	90	99	98	0
	BEACTIVATOR 90	0.5	PMV	13						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ROUNDUP (3SL)	0.56	LAA	13	0	96	80	99	98	0
	BEACTIVATOR 90	0.5	PMV	13						
7A	ROUNDUP (3SL)	0.75	LAA	13	0	98	92	99	95	0
	BEACTIVATOR 90	0.5	PMV	13						
8A	ROUNDUP (3SL)	0.38	LAA	12	0	99	90	99	99	0
	BEACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.38	LAA	13						
	DEACTIVATOR 90	0.5	PMV	13						
9A	ROUNDUP (3SL)	0.56	LAA	12	0	99	92	99	99	0
	BEACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.56	LAA	13						
	DEACTIVATOR 90	0.5	PMV	13						
10AE	FIRSTRATE 84WG	0.031	LAA	7	0	95	93	99	99	0
	B TREFLAN MTF (4EC)	1.00	LAA	7						
11AE	COMMAND 3ME	0.75	LAA	7	0	92	99	99	99	0
	BEAUTHORITY	0.2	LAA	7						
	CEF6025 25WG	0.04	LAA	7						
12A	PROWL 3.3EC	1.00	LAA	7	2	98	90	99	99	0
	B PURSUIT (2SL)	0.063	LAA	11						
	CESUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
13A	PURSUIT (2SL)	0.063	LAA	11	0	90	93	99	99	0
	B PINNACLE (25WG)	0.002	LAA	11						
	CEACTIVATOR 90	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
14A	CONCERT (25WG)	0.008	LAA	12	8	98	87	99	96	3
	B ASSURE II (0.88EC)	0.055	LAA	12						
	CEACTIVATOR 90	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
15A	GALAXY (3.67SL)	0.92	LAA	12	8	98	85	94	99	2
	B POAST (1.5EC)	0.3	LAA	12						
	CECOC	0.625	PMV	12						
	D FERTILIZER - 28%UAN	1.25	PMV	12						
16AE	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
	LSD (0.05)				2.1	3.5	5.6	3.4	3.1	1.8
	STANDARD DEVIATION				2.9	23.5	22.8	24.0	23.9	1.2

TRIAL # US 216/96/01 001 01 - RRSOY15

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-25-96	ABUTH CON % 07-25-96	AMACH CON % 07-25-96	AMATA CON % 07-25-96	YIELD BU/A 10-15-96
1A ROUNDUP (3SL)	0.38	LAA	12	96	93	99	99	70.8
B£ACTIVATOR 90	0.5	PMV	12					
2A ROUNDUP (3SL)	0.56	LAA	12	98	93	99	99	63.2
B£ACTIVATOR 90	0.5	PMV	12					
3A ROUNDUP (3SL)	0.75	LAA	12	99	93	99	99	73.3
B£ACTIVATOR 90	0.5	PMV	12					
4A ROUNDUP (3SL)	0.38	LAA	13	96	92	99	98	71.6
B£ACTIVATOR 90	0.5	PMV	13					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	48.8
6A ROUNDUP (3SL)	0.56	LAA	13	96	87	96	98	69.1
B£ACTIVATOR 90	0.5	PMV	13					
7A ROUNDUP (3SL)	0.75	LAA	13	99	94	99	98	63.2
B£ACTIVATOR 90	0.5	PMV	13					
8A ROUNDUP (3SL)	0.38	LAA	12	99	90	99	99	64.0
B£ACTIVATOR 90	0.5	PMV	12					
C ROUNDUP (3SL)	0.38	LAA	13					
D£ACTIVATOR 90	0.5	PMV	13					
9A ROUNDUP (3SL)	0.56	LAA	12	99	92	99	99	65.8
B£ACTIVATOR 90	0.5	PMV	12					
C ROUNDUP (3SL)	0.56	LAA	13					
D£ACTIVATOR 90	0.5	PMV	13					
10A£FIRSTRATE 84WG	0.031	LAA	7	95	95	99	99	68.2
B TREFLAN HTF (4EC)	1.00	LAA	7					
11A£COMMAND 3ME	0.75	LAA	7	92	95	99	99	68.4
B£AUTHORITY	0.2	LAA	7					
C£F6025 25WG	0.04	LAA	7					
12A PROWL 3.3EC	1.00	LAA	7	99	90	99	99	68.2
B PURSUIT (2SL)	0.063	LAA	11					
C£SUNIT II	1.00	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
13A PURSUIT (2SL)	0.063	LAA	11	92	92	99	99	69.1
B PINNACLE (25WG)	0.002	LAA	11					
C£ACTIVATOR 90	0.25	PMV	11					
D FERTILIZER - 28%UAN	2.5	PMV	11					
14A CONCERT (25WG)	0.008	LAA	12	98	83	99	96	67.2
B ASSURE II (0.88EC)	0.055	LAA	12					
C£ACTIVATOR 90	0.25	PMV	12					
D FERTILIZER - 28%UAN	2.5	PMV	12					
15A GALAXY (3.67SL)	0.92	LAA	12	98	83	94	98	55.7
B POAST (1.5EC)	0.3	LAA	12					
C£COC	0.625	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
16A£HAND WEEDED	0.00	NA	0	99	99	99	99	67.5
LSD (0.05)				2.7	5.0	3.9	3.0	9.9
STANDARD DEVIATION				23.6	22.6	24.0	23.9	7.7

£ = SUPPLEMENTAL CHEMICAL

 WEED CONTROL IN ROUNDUP READY SOYBEANS IN 30-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-16-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	81	88	79	80	½F
% REL.HUMIDITY	50	75	73	60	
WIND DIRECTION	NA/NONE	SOUTH	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	5.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-22-96				MDY
INC. START	10:00				24H
INC. END	10:15				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	4.00/5.00	6.00/6.00	IN
05-22-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/13	HGH/15	HGH/18	
	****/****	1.00/2.00	2.00/5.00	4.00/8.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	HGH/15	HGH/19	
	****/****	1.00/1.00	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/13	HGH/17	HGH/19	
	****/****	1.00/2.00	4.00/5.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	2.00/3.00	3.00/4.00	4.00/6.00	IN

*** TIMING CODES**

07 = PREPLANT INCORPORATED
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 217/96/01 001 01 - RRSOY30

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	AMACH CON % 07-08-96	AMATA CON % 07-08-99	GLXMA CON % 07-25-96
1A ROUNDUP (3SL)	0.38	LAA	12	0	96	83	93	88	0
B£ACTIVATOR 90	0.5	PMV	12						
2A ROUNDUP (3SL)	0.56	LAA	12	0	98	82	96	92	0
B£ACTIVATOR 90	0.5	PMV	12						
3A ROUNDUP (3SL)	0.75	LAA	12	0	98	92	96	96	0
B£ACTIVATOR 90	0.5	PMV	12						
4A ROUNDUP (3SL)	0.38	LAA	13	0	87	45	95	42	0
B£ACTIVATOR 90	0.5	PMV	13						
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A ROUNDUP (3SL)	0.56	LAA	13	0	94	62	98	88	0
B£ACTIVATOR 90	0.5	PMV	13						
7A ROUNDUP (3SL)	0.75	LAA	13	0	99	73	96	90	0
B£ACTIVATOR 90	0.5	PMV	13						
8A ROUNDUP (3SL)	0.38	LAA	12	0	99	90	99	96	0
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.38	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
9A ROUNDUP (3SL)	0.56	LAA	12	0	99	90	99	99	0
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
10A£FIRSTRATE 84WG	0.031	LAA	7	0	83	90	99	99	0
B TREFLAN MTF (4EC)	1.00	LAA	7						
11A£COMMAND 3ME	0.75	LAA	7	0	83	93	99	99	0
B£AUTHORITY	0.2	LAA	7						
C£F6025 25WG	0.04	LAA	7						
12A PROWL 3.3EC	1.00	LAA	7	0	95	83	99	99	0
B PURSUIT (2SL)	0.063	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
13A PURSUIT (2SL)	0.063	LAA	11	0	90	90	99	96	0
B PINNACLE (25WG)	0.002	LAA	11						
C£ACTIVATOR 90	0.25	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
14A CONCERT (25WG)	0.008	LAA	12	8	95	78	99	98	3
B ASSURE II (0.88EC)	0.055	LAA	12						
C£ACTIVATOR 90	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
15A GALAXY (3.67SL)	0.92	LAA	12	8	96	83	87	96	0
B POAST (1.5EC)	0.3	LAA	12						
C£COC	0.625	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
16A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
LSD (0.05)				1.7	8.7	8.5	4.8	10.0	1.2
STANDARD DEVIATION				2.9	23.8	24.0	23.8	26.4	1.0

TRIAL # US 217/96/01 001 01 - RRSOY30

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-25-96	ABUTH CON % 07-25-96	AMACH CON % 07-25-96	AMATA CON % 07-25-96	YIELD BU/A 10-15-96
1A	ROUNDUP (3SL)	0.38	LAA	12	93	73	99	86	49.0
	B£ACTIVATOR 90	0.5	PMV	12					
2A	ROUNDUP (3SL)	0.56	LAA	12	95	75	93	90	58.3
	B£ACTIVATOR 90	0.5	PMV	12					
3A	ROUNDUP (3SL)	0.75	LAA	12	95	83	94	93	59.9
	B£ACTIVATOR 90	0.5	PMV	12					
4A	ROUNDUP (3SL)	0.38	LAA	13	93	48	90	60	48.1
	B£ACTIVATOR 90	0.5	PMV	13					
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	25.3
6A	ROUNDUP (3SL)	0.56	LAA	13	95	70	96	88	54.0
	B£ACTIVATOR 90	0.5	PMV	13					
7A	ROUNDUP (3SL)	0.75	LAA	13	96	77	95	87	60.8
	B£ACTIVATOR 90	0.5	PMV	13					
8A	ROUNDUP (3SL)	0.38	LAA	12	99	85	99	96	56.5
	B£ACTIVATOR 90	0.5	PMV	12					
	C ROUNDUP (3SL)	0.38	LAA	13					
	D£ACTIVATOR 90	0.5	PMV	13					
9A	ROUNDUP (3SL)	0.56	LAA	12	98	87	99	99	52.3
	B£ACTIVATOR 90	0.5	PMV	12					
	C ROUNDUP (3SL)	0.56	LAA	13					
	D£ACTIVATOR 90	0.5	PMV	13					
10A£	FIRSTRATE 84WG	0.031	LAA	7	83	85	99	99	56.5
	B TREFLAN MTF (4EC)	1.00	LAA	7					
11A£	COMMAND 3ME	0.75	LAA	7	70	87	99	99	49.0
	B£AUTHORITY	0.2	LAA	7					
	C£F6025 25WG	0.04	LAA	7					
12A	PROWL 3.3EC	1.00	LAA	7	96	73	99	98	56.6
	B PURSUIT (2SL)	0.063	LAA	11					
	C£SUNIT II	1.00	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
13A	PURSUIT (2SL)	0.063	LAA	11	87	78	99	94	51.5
	B PINNACLE (25WG)	0.002	LAA	11					
	C£ACTIVATOR 90	0.25	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
14A	CONCERT (25WG)	0.008	LAA	12	95	50	98	90	41.3
	B ASSURE II (0.88EC)	0.055	LAA	12					
	C£ACTIVATOR 90	0.25	PMV	12					
	D FERTILIZER - 28%UAN	2.5	PMV	12					
15A	GALAXY (3.67SL)	0.92	LAA	12	96	57	85	91	36.2
	B POAST (1.5EC)	0.3	LAA	12					
	C£COC	0.625	PMV	12					
	D FERTILIZER - 28%UAN	1.25	PMV	12					
16A£	HAND WEEDED	0.00	NA	0	99	99	99	99	60.8
			LSD (0.05)		5.9	11.2	5.5	9.3	12.0
			STANDARD DEVIATION		23.7	23.2	23.8	24.4	11.1

£ = SUPPLEMENTAL CHEMICAL

 HERBICIDE COMBINATIONS IN ROUNDUP-READY SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-22-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	85	79	80	½F
% REL.HUMIDITY	50	73	60	
WIND DIRECTION	NA/NONE	SOUTHWEST	NA/NONE	
WIND SPEED	0.0	3.0	0.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/5.00	6.00/6.00	IN
05-22-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/14	HGH/18	
	****/****	2.00/4.00	4.00/8.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/16	HGH/19	
	****/****	2.00/3.00	3.00/6.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/15	HGH/19	
	****/****	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	HGH/14	
	****/****	2.00/4.00	3.00/6.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST
13 = LPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 218/96/01 001 01 - RRSCOMB

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	AMACH CON % 07-08-96	AMATA CON % 07-08-96	GLXMA CON % 07-25-96
1A	LASSO MICRO-TECH (4CS)	2.5	LAA	9	0	99	77	99	99	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
2A	£FRONTIER 6.0EC	1.17	LAA	9	0	99	88	99	96	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
3A	PROWL 3.3EC	1.00	LAA	9	0	98	90	99	99	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
4A	CANOPY (75WG)	0.28	LAA	9	5	97	96	98	99	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	£AUTHORITY	0.313	LAA	9	0	95	95	99	99	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
7A	£FIRSTRATE 84WG	0.031	LAA	9	0	98	96	98	99	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
8A	£FRONTIER 6.0EC	0.94	LAA	12	7	99	87	99	90	2
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
9A	PURSUIT (2SL)	0.063	LAA	12	7	78	57	96	66	7
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
10A	£EXPERT 75WP	0.07	LAA	12	5	33	78	87	80	5
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
11A	£FIRSTRATE 84WG	0.016	LAA	12	0	27	83	30	40	0
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
12A	ROUNDUP (3SL)	0.56	LAA	12	0	99	75	99	95	0
B	£ACTIVATE PLUS	0.5	PMV	12						
13A	PURSUIT (2SL)	0.063	LAA	12	5	98	80	99	98	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
14A	£EXPERT 75WP	0.07	LAA	12	0	98	83	99	98	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
15A	£FIRSTRATE 84WG	0.016	LAA	12	0	96	82	98	95	0
B	ROUNDUP (3SL)	0.56	LAA	12						
C	£ACTIVATE PLUS	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
16A	PURSUIT (2SL)	0.063	LAA	12	7	93	75	99	99	2
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	£ACTIVATE PLUS	0.5	PMV	13						
17A	£EXPERT 75WP	0.07	LAA	12	0	85	78	98	95	0
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	£ACTIVATE PLUS	0.5	PMV	13						
18A	£FIRSTRATE 84WG	0.016	LAA	12	2	96	80	98	93	0
B	£ACTIVATE PLUS	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	£ACTIVATE PLUS	0.5	PMV	13						

TRIAL # US 218/96/01 001 01 - RRSCOMB

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	AMACH CON % 07-08-96	AMATA CON % 07-08-96	GLXMA CON % 07-25-96
19A ROUNDUP (3SL)	0.56	LAA	12	0	99	92	99	99	0
B£ACTIVATE PLUS	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D£ACTIVATE PLUS	0.5	PMV	13						
20A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
LSD (0.05)				2.1	9.0	7.0	2.9	11.5	1.7
STANDARD DEVIATION				2.9	28.4	20.9	25.5	25.1	2.0

TRIAL # US 218/96/01 001 01 - RRSCOMB

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-25-96	ABUTH CON % 07-25-96	AMACH CON % 07-25-96	AMATA CON % 07-25-96	YIELD BU/A 10-15-96
1A LASSO MICRO-TECH (4CS)	2.5	LAA	9	98	68	99	99	60.7
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
2A£FRONTIER 6.0EC	1.17	LAA	9	96	80	99	99	59.0
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
3A PROWL 3.3EC	1.00	LAA	9	96	80	99	98	63.3
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
4A CANOPY (75WG)	0.28	LAA	9	95	90	98	99	63.3
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
5A UNTREATED CHECK	0.00	NA	0	0	0	0	0	22.8
6A£AUTHORITY	0.313	LAA	9	93	93	99	98	60.8
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
7A£FIRSTRATE 84WG	0.031	LAA	9	93	92	98	98	53.7
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
8A£FRONTIER 6.0EC	0.94	LAA	12	98	83	96	88	59.9
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
9A PURSUIT (2SL)	0.063	LAA	12	82	52	96	55	40.5
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
10A£EXPERT 75WP	0.07	LAA	12	37	72	80	72	43.9
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
11A£FIRSTRATE 84WG	0.016	LAA	12	37	75	40	43	46.4
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
12A ROUNDUP (3SL)	0.56	LAA	12	98	70	98	93	49.8
B£ACTIVATE PLUS	0.5	PMV	12					
13A PURSUIT (2SL)	0.063	LAA	12	95	77	99	95	59.1
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
14A£EXPERT 75WP	0.07	LAA	12	95	82	99	98	65.8
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
15A£FIRSTRATE 84WG	0.016	LAA	12	95	80	96	93	57.4
B ROUNDUP (3SL)	0.56	LAA	12					
C£ACTIVATE PLUS	0.5	PMV	12					
D FERTILIZER - 28%UAN	1.25	PMV	12					
16A PURSUIT (2SL)	0.063	LAA	12	95	75	99	99	54.9
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E£ACTIVATE PLUS	0.5	PMV	13					
17A£EXPERT 75WP	0.07	LAA	12	90	78	96	93	54.0
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E£ACTIVATE PLUS	0.5	PMV	13					
18A£FIRSTRATE 84WG	0.016	LAA	12	96	80	96	90	54.9
B£ACTIVATE PLUS	0.5	PMV	12					
C FERTILIZER - 28%UAN	1.25	PMV	12					
D ROUNDUP (3SL)	0.56	LAA	13					
E£ACTIVATE PLUS	0.5	PMV	13					

TRIAL # US 218/96/01 001 01 - RRSCOMB

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-25-96	ABUTH CON % 07-25-96	AMACH CON % 07-25-96	AMATA CON % 07-25-96	YIELD BU/A 10-15-96
19A ROUNDUP (3SL)	0.56	LAA	12	99	87	99	99	59.9
B£ACTIVATE PLUS	0.5	PMV	12					
C ROUNDUP (3SL)	0.56	LAA	13					
D£ACTIVATE PLUS	0.5	PMV	13					
20A£HAND WEEDED	0.00	NA	0	99	99	99	99	62.5
LSD (0.05)				8.7	7.3	5.0	8.3	11.6
STANDARD DEVIATION				26.6	20.4	24.4	25.0	11.4

£ = SUPPLEMENTAL CHEMICAL

 RESOURCE COMBINATIONS FOR WEED CONTROL IN SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	12	13	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-20-96	06-24-96	MDY
AIR TEMPERATURE	79	81	½F
% REL.HUMIDITY	73	75	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	3.0	3.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/12	HGH/13	
PIONEER 9394	4.00/5.00	6.00/6.00	IN
05-24-96			
*** PEST ***			
VELVETLEAF	HGH/14	HGH/NA	
	2.00/4.00	****/****	IN
PIGWEED, SMOOTH	HGH/16	HGH/NA	
	1.00/3.00	****/****	IN
FOXTAIL, GIANT	HGH/13	HGH/14	
	2.00/5.00	3.00/6.00	IN

*** TIMING CODES**

12 = POST
13 = LPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 308/96/01 001 01 - SRESCOM

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-30-96	SETFA CON % 06-30-96	ABUTH CON % 06-30-96	AMACH CON % 06-30-96	GLXMA CON % 07-18-96	SETFA CON % 07-18-96
1A	RESOURCE (0.86EC)	0.027	LAA	12	5	80	99	73	0	92
	B£COC	0.5	PMV	12						
	C SELECT (2EC)	0.125	LAA	13						
	D£COC	1.00	PMV	13						
2A	RESOURCE (0.86EC)	0.027	LAA	12	8	83	96	83	0	62
	B PURSUIT (2SL)	0.063	LAA	12						
	C PINNACLE (25WG)	0.0016	LAA	12						
	D£COC	0.5	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
3A	RESOURCE (0.86EC)	0.027	LAA	12	10	87	99	87	0	96
	B GALAXY (3.67SL)	0.92	LAA	12						
	C£COC	0.5	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E£COC	1.00	PMV	13						
4A	RESOURCE (0.86EC)	0.027	LAA	12	7	85	99	85	0	65
	B PURSUIT (2SL)	0.063	LAA	12						
	C£COC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
5A	RESOURCE (0.86EC)	0.027	LAA	12	10	90	99	83	0	88
	B GALAXY (3.67SL)	0.92	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D£COC	0.5	PMV	12						
6A	PURSUIT (2SL)	0.063	LAA	12	8	82	70	75	0	82
	B£COC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
7A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
8A	GALAXY (3.67SL)	0.92	LAA	12	10	80	82	77	0	92
	B£COC	0.5	PMV	12						
	C SELECT (2EC)	0.125	LAA	13						
	D£COC	1.00	PMV	13						
9A	SELECT (2EC)	0.125	LAA	12	2	93	0	0	0	93
	B£COC	1.00	PMV	12						
10A	RESOURCE (0.86EC)	0.027	LAA	12	12	87	99	83	0	95
	B STORM (4SL)	0.75	LAA	12						
	C£COC	0.5	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E£COC	1.00	PMV	13						
11A	RESOURCE (0.86EC)	0.027	LAA	12	12	93	99	87	0	95
	B STORM (4SL)	0.75	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D£COC	0.5	PMV	12						
12A	PINNACLE (25WG)	0.0016	LAA	12	5	68	68	73	0	85
	B£COC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E£COC	1.00	PMV	13						
13A	RESOURCE (0.86EC)	0.027	LAA	12	10	78	99	91	0	93
	B REFLEX 2LC (2SL)	0.25	LAA	12						
	C£COC	0.5	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E£COC	1.00	PMV	13						
14A	RESOURCE (0.86EC)	0.027	LAA	12	10	93	99	92	0	93
	B REFLEX 2LC (2SL)	0.25	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D£COC	0.5	PMV	12						
15A	REFLEX 2LC (2SL)	0.25	LAA	12	5	83	87	94	0	92
	B£COC	0.5	PMV	12						
	C SELECT (2EC)	0.125	LAA	13						
	D£COC	0.5	PMV	13						

TRIAL # US 308/96/01 001 01 - SRESCOM

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-30-96	SETFA CON % 06-30-96	ABUTH CON % 06-30-96	AMACH CON % 06-30-96	GLXMA CON % 07-18-96	SETFA CON % 07-18-96
16A	RESOURCE (0.86EC)	0.027	LAA	12	17	82	96	85	2	92
B	CLASSIC (25WG)	0.008	LAA	12						
C	PINNACLE (25WG)	0.0016	LAA	12						
D	£COC	0.5	PMV	12						
E	SELECT (2EC)	0.125	LAA	13						
F	£COC	1.00	PMV	13						
17A	RESOURCE (0.86EC)	0.027	LAA	12	20	87	99	87	3	88
B	CLASSIC (25WG)	0.008	LAA	12						
C	PINNACLE (25WG)	0.0016	LAA	12						
D	SELECT (2EC)	0.125	LAA	12						
E	£COC	1.00	PMV	12						
18A	CLASSIC (25WG)	0.008	LAA	12	15	72	75	80	3	85
B	PINNACLE (25WG)	0.0016	LAA	12						
C	£COC	0.5	PMV	12						
D	SELECT (2EC)	0.125	LAA	13						
E	£COC	1.00	PMV	13						
19A	£FLEXSTAR 1.88ME	0.313	LAA	12	8	82	87	90	0	96
B	£MSO	0.5	PMV	12						
C	SELECT (2EC)	0.125	LAA	13						
D	£COC	1.00	PMV	13						
20A	RESOURCE (0.86EC)	0.027	LAA	12	15	90	96	95	0	98
B	£FLEXSTAR 1.88ME	0.313	LAA	12						
C	£MSO	0.5	PMV	12						
D	SELECT (2EC)	0.125	LAA	13						
E	£COC	1.00	PMV	13						
21A	RESOURCE (0.86EC)	0.027	LAA	12	12	95	99	95	0	98
B	£FLEXSTAR 1.88ME	0.313	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	£MSO	0.5	PMV	12						
22A	£FLEXSTAR 1.88ME	0.2	LAA	12	8	83	82	92	0	95
B	£MSO	0.5	PMV	12						
C	SELECT (2EC)	0.125	LAA	13						
D	£COC	1.00	PMV	13						
23A	RESOURCE (0.86EC)	0.027	LAA	12	10	88	98	93	2	95
B	£FLEXSTAR 1.88ME	0.2	LAA	12						
C	£MSO	0.5	PMV	12						
D	SELECT (2EC)	0.125	LAA	13						
E	£COC	1.00	PMV	13						
24A	RESOURCE (0.86EC)	0.027	LAA	12	10	95	99	92	0	99
B	£FLEXSTAR 1.88ME	0.2	LAA	12						
C	SELECT (2EC)	0.141	LAA	12						
D	£MSO	0.5	PMV	12						
	LSD (0.05)				3.5	8.0	9.4	8.5	1.8	6.4
	STANDARD DEVIATION				4.7	19.3	27.6	25.1	1.4	20.4

TRIAL # US 308/96/01 001 01 - SRESCOM

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-18-96	AMACH CON % 07-18-96
1A	RESOURCE (0.86EC)	0.027	LAA	12	98	52
	B£COC	0.5	PMV	12		
	C SELECT (2EC)	0.125	LAA	13		
	D£COC	1.00	PMV	13		
2A	RESOURCE (0.86EC)	0.027	LAA	12	96	83
	B PURSUIT (2SL)	0.063	LAA	12		
	C PINNACLE (25WG)	0.0016	LAA	12		
	D£COC	0.5	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
3A	RESOURCE (0.86EC)	0.027	LAA	12	98	78
	B GALAXY (3.67SL)	0.92	LAA	12		
	C£COC	0.5	PMV	12		
	D SELECT (2EC)	0.125	LAA	13		
	E£COC	1.00	PMV	13		
4A	RESOURCE (0.86EC)	0.027	LAA	12	99	78
	B PURSUIT (2SL)	0.063	LAA	12		
	C£COC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
5A	RESOURCE (0.86EC)	0.027	LAA	12	98	72
	B GALAXY (3.67SL)	0.92	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D£COC	0.5	PMV	12		
6A	PURSUIT (2SL)	0.063	LAA	12	68	80
	B£COC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
7A	UNTREATED CHECK	0.00	NA	0	0	0
8A	GALAXY (3.67SL)	0.92	LAA	12	77	73
	B£COC	0.5	PMV	12		
	C SELECT (2EC)	0.125	LAA	13		
	D£COC	1.00	PMV	13		
9A	SELECT (2EC)	0.125	LAA	12	0	0
	B£COC	1.00	PMV	12		
10A	RESOURCE (0.86EC)	0.027	LAA	12	98	82
	B STORM (4SL)	0.75	LAA	12		
	C£COC	0.5	PMV	12		
	D SELECT (2EC)	0.125	LAA	13		
	E£COC	1.00	PMV	13		
11A	RESOURCE (0.86EC)	0.027	LAA	12	96	85
	B STORM (4SL)	0.75	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D£COC	0.5	PMV	12		
12A	PINNACLE (25WG)	0.0016	LAA	12	68	67
	B£COC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
	D SELECT (2EC)	0.125	LAA	13		
	E£COC	1.00	PMV	13		
13A	RESOURCE (0.86EC)	0.027	LAA	12	96	87
	B REFLEX 2LC (2SL)	0.25	LAA	12		
	C£COC	0.5	PMV	12		
	D SELECT (2EC)	0.125	LAA	13		
	E£COC	1.00	PMV	13		
14A	RESOURCE (0.86EC)	0.027	LAA	12	99	90
	B REFLEX 2LC (2SL)	0.25	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D£COC	0.5	PMV	12		
15A	REFLEX 2LC (2SL)	0.25	LAA	12	88	90
	B£COC	0.5	PMV	12		
	C SELECT (2EC)	0.125	LAA	13		
	D£COC	0.5	PMV	13		

TRIAL # US 308/96/01 001 01 - SRESCOM

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-18-96	AMACH CON % 07-18-96
16A	RESOURCE (0.86EC)	0.027	LAA	12	98	85
B	CLASSIC (25WG)	0.008	LAA	12		
C	PINNACLE (25WG)	0.0016	LAA	12		
D	£COC	0.5	PMV	12		
E	SELECT (2EC)	0.125	LAA	13		
F	£COC	1.00	PMV	13		
17A	RESOURCE (0.86EC)	0.027	LAA	12	99	80
B	CLASSIC (25WG)	0.008	LAA	12		
C	PINNACLE (25WG)	0.0016	LAA	12		
D	SELECT (2EC)	0.125	LAA	12		
E	£COC	1.00	PMV	12		
18A	CLASSIC (25WG)	0.008	LAA	12	75	88
B	PINNACLE (25WG)	0.0016	LAA	12		
C	£COC	0.5	PMV	12		
D	SELECT (2EC)	0.125	LAA	13		
E	£COC	1.00	PMV	13		
19A	£FLEXSTAR 1.88ME	0.313	LAA	12	85	88
B	£MSO	0.5	PMV	12		
C	SELECT (2EC)	0.125	LAA	13		
D	£COC	1.00	PMV	13		
20A	RESOURCE (0.86EC)	0.027	LAA	12	95	96
B	£FLEXSTAR 1.88ME	0.313	LAA	12		
C	£MSO	0.5	PMV	12		
D	SELECT (2EC)	0.125	LAA	13		
E	£COC	1.00	PMV	13		
21A	RESOURCE (0.86EC)	0.027	LAA	12	96	93
B	£FLEXSTAR 1.88ME	0.313	LAA	12		
C	SELECT (2EC)	0.125	LAA	12		
D	£MSO	0.5	PMV	12		
22A	£FLEXSTAR 1.88ME	0.2	LAA	12	75	90
B	£MSO	0.5	PMV	12		
C	SELECT (2EC)	0.125	LAA	13		
D	£COC	1.00	PMV	13		
23A	RESOURCE (0.86EC)	0.027	LAA	12	95	87
B	£FLEXSTAR 1.88ME	0.2	LAA	12		
C	£MSO	0.5	PMV	12		
D	SELECT (2EC)	0.125	LAA	13		
E	£COC	1.00	PMV	13		
24A	RESOURCE (0.86EC)	0.027	LAA	12	98	88
B	£FLEXSTAR 1.88ME	0.2	LAA	12		
C	SELECT (2EC)	0.141	LAA	12		
D	£MSO	0.5	PMV	12		
	LSD (0.05)				9.8	12.6
	STANDARD DEVIATION				27.4	25.4

£ = SUPPLEMENTAL CHEMICAL

 WEED CONTROL IN SOYBEANS WITH RAPTOR
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.8
%OM: 5.9
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 31 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-19-96	06-14-96	06-19-96	MDY
AIR TEMPERATURE	85	82	93	½F
% REL.HUMIDITY	75	80	46	
WIND DIRECTION	SOUTH	WEST	SOUTHWEST	
WIND SPEED	12.0	2.0	5.0	M/H
SKY CONDITION	CLEAR	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE	05-19-96			MDY
INC. START	11:30			24H
INC. END	11:45			24H
INC. DEPTH	2			IN
INC. EQUIPMENT	CULTFIELD			
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9394	****/****	3.00/4.00	3.00/5.00	IN
05-19-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/1.00	1.00/3.00	IN
PIGWEED, SMOOTH	HGH/NA	HGH/12	HGH/16	
	****/****	2.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	
	****/****	0.50/1.00	1.00/1.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/1.00	1.00/3.00	IN

*** CONTINUE

APPLICATIONS

	DENSITY /STAGE / MIN MAX SIZE			
*** PEST ***				
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	2.00/6.00	IN

*** TIMING CODES**

07 = PREPLANT INCORPORATED
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 306/96/01 001 01 - SRAPTOR

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA 10DAT	SETFA 10DAT	PHBPU 10DAT	ABUTH 10DAT	AMACH 10DAT	GLXMA 30DAT
1A PROWL 3.3EC	1.00	LAA	7	5	83	72	91	99	0
B PURSUIT (2SL)	0.063	LAA	12						
C£SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
2A PROWL 3.3EC	1.00	LAA	7	8	88	82	90	99	0
B PURSUIT (2SL)	0.063	LAA	12						
C£STATUS 2EC	0.156	LAA	12						
D£SUNIT II	0.75	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
3A PURSUIT (2SL)	0.063	LAA	11	8	90	70	99	99	0
B£STATUS 2EC	0.125	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
4A PURSUIT (2SL)	0.063	LAA	11	8	95	72	99	99	0
B PINNACLE (25WG)	0.002	LAA	11						
C£ACTIVATE PLUS	0.25	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
5A£RAPTOR 1AS	0.032	LAA	11	12	96	72	99	99	0
B£SUNIT II	0.75	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
6A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A£RAPTOR 1AS	0.04	LAA	11	8	95	72	99	99	0
B£SUNIT II	0.75	PMV	11						
C FERTILIZER - 28%UAN	1.25	PMV	11						
8A£RAPTOR 1AS	0.032	LAA	12	5	78	67	80	90	0
B£SUNIT II	0.75	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
9A£RAPTOR 1AS	0.04	LAA	12	7	80	67	88	93	0
B£SUNIT II	0.75	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
10A PROWL 3.3EC	1.00	LAA	7	12	95	80	99	99	0
B£RAPTOR 1AS	0.032	LAA	11						
C£SUNIT II	0.75	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
11A PROWL 3.3EC	1.00	LAA	7	10	95	80	99	99	0
B£RAPTOR 1AS	0.04	LAA	11						
C£SUNIT II	0.75	PMV	11						
D FERTILIZER - 28%UAN	1.25	PMV	11						
12A PROWL 3.3EC	1.25	LAA	7	5	83	78	98	99	0
B£RAPTOR 1AS	0.032	LAA	12						
C£SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
13A PROWL 3.3EC	1.25	LAA	7	7	90	80	93	99	0
B£RAPTOR 1AS	0.04	LAA	12						
C£SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
14A£RAPTOR 1AS	0.032	LAA	12	10	80	80	99	99	0
B£STATUS 2EC	0.156	LAA	12						
C£SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
15A£RAPTOR 1AS	0.04	LAA	12	13	85	82	99	99	0
B£STATUS 2EC	0.156	LAA	12						
C£SUNIT II	0.75	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
16A PROWL 3.3EC	1.25	LAA	7	10	87	85	93	99	0
B£RAPTOR 1AS	0.032	LAA	12						
C£STATUS 2EC	0.156	LAA	12						
D£SUNIT II	0.75	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						

TRIAL # US 306/96/01 001 01 - SRAPTOR

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA 10DAT	SETFA 10DAT	PHBPU 10DAT	ABUTH 10DAT	AMACH 10DAT	GLXMA 30DAT
17A	PROWL 3.3EC	1.25	LAA	7	13	83	85	93	99	0
B	ERAPTOR 1AS	0.04	LAA	12						
C	ESTATUS 2EC	0.156	LAA	12						
D	ESUNIT II	0.75	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
18A	PROWL 3.3EC	1.25	LAA	7	10	82	78	90	98	0
B	PURSUIT (2SL)	0.063	LAA	12						
C	PINNACLE (25WG)	0.002	LAA	12						
D	EACTIVATE PLUS	0.25	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
19A	GALAXY (3.67SL)	0.92	LAA	12	8	87	92	99	99	0
B	POAST PLUS (1EC)	0.188	LAA	12						
C	ECOC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
20A	CONCERT (25WG)	0.008	LAA	12	13	75	62	88	90	0
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	EACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				6.2	4.7	7.0	5.4	2.1	0.0
	STANDARD DEVIATION				4.5	20.0	18.5	21.4	21.5	0.0

TRIAL # US 306/96/01 001 01 - SRAPTOR

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA 30DAT	PHBPU 30DAT	ABUTH 30DAT	AMACH 30DAT
1A	PROWL 3.3EC	1.00	LAA	7	85	72	93	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	£SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
2A	PROWL 3.3EC	1.00	LAA	7	82	77	83	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	£STATUS 2EC	0.156	LAA	12				
D	£SUNIT II	0.75	PMV	12				
E	FERTILIZER - 28%UAN	1.25	PMV	12				
3A	PURSUIT (2SL)	0.063	LAA	11	77	63	96	99
B	£STATUS 2EC	0.125	LAA	11				
C	£ACTIVATE PLUS	0.25	PMV	11				
D	FERTILIZER - 28%UAN	1.25	PMV	11				
4A	PURSUIT (2SL)	0.063	LAA	11	92	73	99	99
B	PINNACLE (25WG)	0.002	LAA	11				
C	£ACTIVATE PLUS	0.25	PMV	11				
D	FERTILIZER - 28%UAN	1.25	PMV	11				
5A	£RAPTOR 1AS	0.032	LAA	11	88	72	99	99
B	£SUNIT II	0.75	PMV	11				
C	FERTILIZER - 28%UAN	1.25	PMV	11				
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
7A	£RAPTOR 1AS	0.04	LAA	11	90	75	96	99
B	£SUNIT II	0.75	PMV	11				
C	FERTILIZER - 28%UAN	1.25	PMV	11				
8A	£RAPTOR 1AS	0.032	LAA	12	93	62	95	98
B	£SUNIT II	0.75	PMV	12				
C	FERTILIZER - 28%UAN	1.25	PMV	12				
9A	£RAPTOR 1AS	0.04	LAA	12	90	67	99	99
B	£SUNIT II	0.75	PMV	12				
C	FERTILIZER - 28%UAN	1.25	PMV	12				
10A	PROWL 3.3EC	1.00	LAA	7	96	78	99	99
B	£RAPTOR 1AS	0.032	LAA	11				
C	£SUNIT II	0.75	PMV	11				
D	FERTILIZER - 28%UAN	1.25	PMV	11				
11A	PROWL 3.3EC	1.00	LAA	7	95	82	98	99
B	£RAPTOR 1AS	0.04	LAA	11				
C	£SUNIT II	0.75	PMV	11				
D	FERTILIZER - 28%UAN	1.25	PMV	11				
12A	PROWL 3.3EC	1.25	LAA	7	95	70	98	99
B	£RAPTOR 1AS	0.032	LAA	12				
C	£SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
13A	PROWL 3.3EC	1.25	LAA	7	95	77	96	99
B	£RAPTOR 1AS	0.04	LAA	12				
C	£SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
14A	£RAPTOR 1AS	0.032	LAA	12	70	67	99	99
B	£STATUS 2EC	0.156	LAA	12				
C	£SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
15A	£RAPTOR 1AS	0.04	LAA	12	78	68	96	99
B	£STATUS 2EC	0.156	LAA	12				
C	£SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
16A	PROWL 3.3EC	1.25	LAA	7	80	77	97	99
B	£RAPTOR 1AS	0.032	LAA	12				
C	£STATUS 2EC	0.156	LAA	12				
D	£SUNIT II	0.75	PMV	12				
E	FERTILIZER - 28%UAN	1.25	PMV	12				

TRIAL # US 306/96/01 001 01 - SRAPTOR

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA 30DAT	PHBPU 30DAT	ABUTH 30DAT	AMACH 30DAT
17A	PROWL 3.3EC	1.25	LAA	7	83	77	90	99
B	£RAPTOR 1AS	0.04	LAA	12				
C	£STATUS 2EC	0.156	LAA	12				
D	£SUNIT II	0.75	PMV	12				
E	FERTILIZER - 28%UAN	1.25	PMV	12				
18A	PROWL 3.3EC	1.25	LAA	7	93	78	93	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	PINNACLE (25WG)	0.002	LAA	12				
D	£ACTIVATE PLUS	0.25	PMV	12				
E	FERTILIZER - 28%UAN	1.25	PMV	12				
19A	GALAXY (3.67SL)	0.92	LAA	12	87	77	82	97
B	POAST PLUS (1EC)	0.188	LAA	12				
C	£COC	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
20A	CONCERT (25WG)	0.008	LAA	12	95	37	90	98
B	ASSURE II (0.88EC)	0.055	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
	LSD (0.05)				3.8	5.8	4.8	1.4
	STANDARD DEVIATION				20.5	18.4	21.3	21.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN SOYBEANS WITH STELLAR
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.8
%OM: 5.9
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 31 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-19-96	MDY
AIR TEMPERATURE	93	½F
% REL.HUMIDITY	46	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	PARTCLDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9394	4.00/6.00	IN
05-19-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	1.00/3.00	IN
PIGWEED, SMOOTH	HGH/16	
	1.00/4.00	IN
MORNINGGLORY, TA	HGH/13	
	1.00/3.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.12 lb Select 6-26-96

TRIAL # US 305/96/01 001 01 - SSTELLR

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-27-96	PHBPU CON % 06-27-96	ABUTH CON % 06-27-96	AMACH CON % 06-27-96	GLXMA CON % 07-17-96	PHBPU CON % 07-17-96
1A	ESTELLAR	0.121	LAA	12	10	72	99	99	0	47
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
2A	ESTELLAR	0.17	LAA	12	8	67	99	99	2	60
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
3A	ESTELLAR	0.121	LAA	12	8	65	99	99	3	53
	B COBRA (2EC)	0.031	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
4A	ESTELLAR	0.121	LAA	12	10	73	99	99	2	72
	B BASAGRAN (4SL)	0.5	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
6A	ESTELLAR	0.17	LAA	12	10	85	99	99	0	73
	B BASAGRAN (4SL)	0.5	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
7A	BASAGRAN (4SL)	0.5	LAA	12	0	67	99	0	0	72
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
8A	ESTELLAR	0.121	LAA	12	15	70	99	99	5	57
	B PINNACLE (25WG)	0.002	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
9A	ESTELLAR	0.17	LAA	12	13	72	99	99	5	60
	B PINNACLE (25WG)	0.002	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A	PINNACLE (25WG)	0.002	LAA	12	10	47	77	90	5	43
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
11A	ESTELLAR	0.121	LAA	12	10	72	99	99	2	72
	B CLASSIC (25WG)	0.008	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
12A	CLASSIC (25WG)	0.008	LAA	12	3	57	73	90	0	50
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
13A	ESTELLAR	0.121	LAA	12	12	72	99	99	0	57
	B SCEPTER 70DG (WG)	0.063	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
14A	ESTELLAR	0.121	LAA	12	10	96	99	99	2	72
	B BASAGRAN (4SL)	0.5	LAA	12						
	C PINNACLE (25WG)	0.016	LAA	12						
	D ECOC	0.5	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
15A	BASAGRAN (4SL)	0.5	LAA	12	0	67	99	90	0	50
	B PINNACLE (25WG)	0.016	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
16A	ESTELLAR	0.121	LAA	12	8	93	99	99	0	77
	B GALAXY (3.67SL)	0.69	LAA	12						
	C ECOC	0.5	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
17A	GALAXY (3.67SL)	0.69	LAA	12	10	73	99	99	2	70
	B ECOC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						

TRIAL # US 305/96/01 001 01 - SSTELLR

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-27-96	PHBPU CON % 06-27-96	ABUTH CON % 06-27-96	AMACH CON % 06-27-96	GLXMA CON % 07-17-96	PHBPU CON % 07-17-96
18A PURSUIT (2SL)	0.063	LAA	12	0	62	85	90	0	63
B£COC	0.5	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
LSD (0.05)				3.9	9.7	3.6	0.0	2.6	6.0
STANDARD DEVIATION				5.1	20.4	23.3	30.6	2.3	17.5

TRIAL # US 305/96/01 001 01 - SSTELLR

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-17-96	AMACH CON % 07-17-96
1A	ESTELLAR	0.121	LAA	12	98	96
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
2A	ESTELLAR	0.17	LAA	12	99	98
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
3A	ESTELLAR	0.121	LAA	12	99	99
	B COBRA (2EC)	0.031	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
4A	ESTELLAR	0.121	LAA	12	96	98
	B BASAGRAN (4SL)	0.5	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
5A	UNTREATED CHECK	0.00	NA	0	0	0
6A	ESTELLAR	0.17	LAA	12	93	94
	B BASAGRAN (4SL)	0.5	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
7A	BASAGRAN (4SL)	0.5	LAA	12	99	0
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
8A	ESTELLAR	0.121	LAA	12	94	99
	B PINNACLE (25WG)	0.002	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
9A	ESTELLAR	0.17	LAA	12	95	92
	B PINNACLE (25WG)	0.002	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
10A	PINNACLE (25WG)	0.002	LAA	12	87	88
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
11A	ESTELLAR	0.121	LAA	12	99	95
	B CLASSIC (25WG)	0.008	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
12A	CLASSIC (25WG)	0.008	LAA	12	90	47
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
13A	ESTELLAR	0.121	LAA	12	98	99
	B SCEPTER 70DG (WG)	0.063	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
14A	ESTELLAR	0.121	LAA	12	99	99
	B BASAGRAN (4SL)	0.5	LAA	12		
	C PINNACLE (25WG)	0.016	LAA	12		
	D ECOC	0.5	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
15A	BASAGRAN (4SL)	0.5	LAA	12	99	57
	B PINNACLE (25WG)	0.016	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
16A	ESTELLAR	0.121	LAA	12	96	99
	B GALAXY (3.67SL)	0.69	LAA	12		
	C ECOC	0.5	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
17A	GALAXY (3.67SL)	0.69	LAA	12	98	96
	B ECOC	0.5	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		

TRIAL # US 305/96/01 001 01 - SSTELLR

TRT NUM	COMPOUND	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-17-96	AMACH CON % 07-17-96
18A	PURSUIT (2SL)	0.063	LAA	12	91	88
B£COC		0.5	PMV	12		
C	FERTILIZER - 28%UAN	2.5	PMV	12		
	LSD (0.05)				5.8	7.3
	STANDARD DEVIATION				22.4	31.9

£ = SUPPLEMENTAL CHEMICAL

 POSTEMERGENCE GRASS WEED CONTROL IN SOYBEANS WITH SELECT APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.8
%OM: 5.9
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 31 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-19-96	MDY
AIR TEMPERATURE	83	93	½F
% REL.HUMIDITY	80	46	
WIND DIRECTION	WEST	SOUTHWEST	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	MOIST	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/12	
PIONEER 9394	3.00/4.00	4.00/6.00	IN
05-19-96			
*** PEST ***			
PIGWEED, SMOOTH	HGH/12	HGH/16	
	1.00/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/18	
	1.00/1.00	2.00/4.00	IN
MORNINGGLORY, TA	HGH/10	HGH/14	
	1.00/1.00	1.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/14	
	2.00/3.00	2.00/6.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 307/96/01 001 01 - SPOSSEL

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-27-96	PHBPU CON % 06-27-96	SETFA CON % 06-27-96	AMACH CON % 06-27-96	CHEAL CON % 06-27-96	GLXMA CON % 07-15-96
1A	GALAXY (3.67SL)	0.92	LAA	11	8	92	93	97	88	0
B	£COC	1.00	PMV	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
D	SELECT (2EC)	0.063	LAA	12						
E	£COC	1.00	PMV	12						
F	FERTILIZER - 28%UAN	1.25	PMV	12						
2A	SELECT (2EC)	0.094	LAA	12	12	70	85	99	72	0
B	COBRA (2EC)	0.125	LAA	12						
C	£COC	0.5	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	SELECT (2EC)	0.094	LAA	12	2	73	82	98	75	0
B	PURSUIT (2SL)	0.063	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	SELECT (2EC)	0.094	LAA	12	7	78	78	93	70	0
B	CLASSIC (25WG)	0.01	LAA	12						
C	£COC	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
6A	SELECT (2EC)	0.094	LAA	12	10	77	87	99	75	0
B	COBRA (2EC)	0.2	LAA	12						
C	£COC	0.5	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	SELECT (2EC)	0.094	LAA	12	0	67	77	0	73	0
B	BASAGRAN (4SL)	0.75	LAA	12						
C	£COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
8A	SELECT (2EC)	0.094	LAA	12	8	72	82	99	75	0
B	PURSUIT (2SL)	0.063	LAA	12						
C	COBRA (2EC)	0.125	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	SELECT (2EC)	0.094	LAA	12	10	78	77	99	65	0
B	CLASSIC (25WG)	0.01	LAA	12						
C	COBRA (2EC)	0.125	LAA	12						
D	£COC	0.5	PMV	12						
10A	SELECT (2EC)	0.094	LAA	12	7	80	90	99	82	0
B	BASAGRAN (4SL)	0.5	LAA	12						
C	COBRA (2EC)	0.125	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	SELECT (2EC)	0.094	LAA	12	20	80	93	99	88	10
B	PINNACLE (25WG)	0.004	LAA	12						
C	COBRA (2EC)	0.125	LAA	12						
D	£COC	0.5	PMV	12						
E	FERTILIZER - 28%UAN	1.25	PMV	12						
12A	PURSUIT (2SL)	0.063	LAA	12	5	80	85	99	73	0
B	COBRA (2EC)	0.125	LAA	12						
C	£COC	0.5	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				3.4	8.6	6.7	3.0	8.7	0.0
	STANDARD DEVIATION				5.6	22.5	24.3	36.6	22.6	2.8

TRIAL # US 307/96/01 001 01 - SPOSSEL

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	PHBPU CON % 07-15-96	SETFA CON % 07-15-96	AMACH CON % 07-15-96	CHEAL CON % 07-15-96
1A	GALAXY (3.67SL)	0.92	LAA	11	82	73	77	85
B	£COC	1.00	PMV	11				
C	FERTILIZER - 28%UAN	2.5	PMV	11				
D	SELECT (2EC)	0.063	LAA	12				
E	£COC	1.00	PMV	12				
F	FERTILIZER - 28%UAN	1.25	PMV	12				
2A	SELECT (2EC)	0.094	LAA	12	50	82	99	30
B	COBRA (2EC)	0.125	LAA	12				
C	£COC	0.5	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
3A	SELECT (2EC)	0.094	LAA	12	62	78	97	67
B	PURSUIT (2SL)	0.063	LAA	12				
C	£COC	1.00	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
5A	SELECT (2EC)	0.094	LAA	12	63	80	72	30
B	CLASSIC (25WG)	0.01	LAA	12				
C	£COC	0.5	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
6A	SELECT (2EC)	0.094	LAA	12	43	80	99	30
B	COBRA (2EC)	0.2	LAA	12				
C	£COC	0.5	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
7A	SELECT (2EC)	0.094	LAA	12	68	80	0	80
B	BASAGRAN (4SL)	0.75	LAA	12				
C	£COC	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
8A	SELECT (2EC)	0.094	LAA	12	53	53	99	40
B	PURSUIT (2SL)	0.063	LAA	12				
C	COBRA (2EC)	0.125	LAA	12				
D	£COC	0.5	PMV	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
9A	SELECT (2EC)	0.094	LAA	12	60	50	99	33
B	CLASSIC (25WG)	0.01	LAA	12				
C	COBRA (2EC)	0.125	LAA	12				
D	£COC	0.5	PMV	12				
10A	SELECT (2EC)	0.094	LAA	12	60	80	99	43
B	BASAGRAN (4SL)	0.5	LAA	12				
C	COBRA (2EC)	0.125	LAA	12				
D	£COC	0.5	PMV	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
11A	SELECT (2EC)	0.094	LAA	12	50	77	99	73
B	PINNACLE (25WG)	0.004	LAA	12				
C	COBRA (2EC)	0.125	LAA	12				
D	£COC	0.5	PMV	12				
E	FERTILIZER - 28%UAN	1.25	PMV	12				
12A	PURSUIT (2SL)	0.063	LAA	12	60	57	99	40
B	COBRA (2EC)	0.125	LAA	12				
C	£COC	0.5	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
	LSD (0.05)				6.8	5.4	3.2	5.9
	STANDARD DEVIATION				19.2	22.9	36.2	24.3

£ = SUPPLEMENTAL CHEMICAL

 CONTROL OF VOLUNTEER SETHOXYDIM RESISTANT CORN IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	02	03	UNIT
TIMINGS	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-16-96	06-21-96	06-27-96	MDY
AIR TEMPERATURE	82	85	84	½F
% REL.HUMIDITY	75	80	60	
WIND DIRECTION	SOUTH	SOUTH	NA/NONE	
WIND SPEED	5.0	3.0	0.0	M/H
SKY CONDITION	PARTCLDY	CLEAR	CLEAR	
LEAF MOISTURE	MOIST	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/11	HGH/12	HGH/13	
PIONEER 9362	3.00/3.00	4.00/5.00	5.00/7.00	IN
05-22-96				
*** PEST ***				
CORN, DENT	HGH/13	HGH/14	HGH/16	
DEKALB 592SR	6.00/6.00	8.00/12.0	14.0/18.0	IN
05-22-96				

*** TIMING CODES**
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.4 lb Broadstrike + Dual Pre on 5-22-96

Blanket application 0.19 lb Poast Plus 6-13-96

TRIAL # US 310/96/01 001 01 - SRCVOL

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	ZEAMD CON % 07-01-96	GLXMA CON % 07-19-96	ZEAMD CON % 07-19-96	YIELD BU/A 10-28-96
1A	ASSURE II (0.88EC)	0.055	LAA	12	0	7	0	3	20.7
	B£COC	1.00	PMV	12					
2A	FUSION (2.66EC)	0.167	LAA	12	0	20	0	10	27.7
	B£COC	1.00	PMV	12					
3A	FUSILADE DX (2EC)	0.125	LAA	12	0	15	0	12	22.4
	B£COC	1.00	PMV	12					
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	15.6
5A	SELECT (2EC)	0.094	LAA	12	0	28	0	23	26.9
	B£COC	1.00	PMV	12					
6A	SELECT (2EC)	0.125	LAA	12	0	43	0	35	39.9
	B£COC	1.00	PMV	12					
7A	SELECT (2EC)	0.188	LAA	12	0	58	0	53	33.8
	B£COC	1.00	PMV	12					
8A	SELECT (2EC)	0.094	LAA	12	0	35	0	37	33.8
	B£COC	1.00	PMV	12					
	C SELECT (2EC)	0.094	LAA	13					
	D£COC	1.00	PMV	13					
9A	SCEPTER 70DG (WG)	0.063	LAA	12	0	50	0	67	32.7
	B£COC	1.00	PMV	12					
10A	PURSUIT (2SL)	0.063	LAA	11	0	75	0	68	37.1
	B SCEPTER 70DG (WG)	0.063	LAA	11					
	C£COC	1.00	PMV	11					
11A£	RAPTOR 1AS	0.04	LAA	12	0	43	0	73	42.3
	B£COC	1.00	PMV	12					
12A£	HAND WEEDED	0.00	NA	0	0	99	0	99	42.3
	LSD (0.05)				0.0	8.0	0.0	7.9	13.4
	STANDARD DEVIATION				0.0	27.8	0.0	30.8	10.7

£ = SUPPLEMENTAL CHEMICAL

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 5.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-21-96	MDY
AIR TEMPERATURE	84	½F
% REL.HUMIDITY	80	
WIND DIRECTION	SOUTH	
WIND SPEED	2.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	MOIST	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9362	3.00/5.00	IN
05-22-96		

*** TIMING CODES**
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 2.75 lb Turbo Pre on 5-22-96

TRIAL # US 311/96/01 001 01 - SBASPIN

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-29-96	GLXMA CON % 07-23-96	YIELD BU/A 10-28-96
1A	PINNACLE (25WG)	0.002	LAA	12	15	3	53.5
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
2A	BASAGRAN (4SL)	0.25	LAA	12	5	0	56.2
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
3A	BASAGRAN (4SL)	0.38	LAA	12	3	0	56.1
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
4A	UNTREATED CHECK	0.00	NA	0	0	0	47.5
5A	BASAGRAN (4SL)	0.5	LAA	12	5	0	44.9
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
6A	PINNACLE (25WG)	0.004	LAA	12	22	15	51.8
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
7A	BASAGRAN (4SL)	0.25	LAA	12	7	2	49.3
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
8A	BASAGRAN (4SL)	0.38	LAA	12	7	0	48.0
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
9A	BASAGRAN (4SL)	0.5	LAA	12	7	0	47.5
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
10A	PINNACLE (25WG)	0.008	LAA	12	28	25	53.6
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
11A	BASAGRAN (4SL)	0.25	LAA	12	12	3	50.1
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
12A	BASAGRAN (4SL)	0.38	LAA	12	13	3	51.0
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
13A	BASAGRAN (4SL)	0.5	LAA	12	12	2	51.8
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
14A£	HAND WEEDED	0.00	NA	0	0	0	57.9
	LSD (0.05)				4.6	4.8	13.6
	STANDARD DEVIATION				8.1	7.4	8.2

£ = SUPPLEMENTAL CHEMICAL

 COMMON LAMBSQUAR. CONTROL IN SOYS. WITH RESOURCE AND PINNACLE APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.4
%OM: 5.3
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: URBANA

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-24-96	MDY
AIR TEMPERATURE	84	½F
% REL.HUMIDITY	56	
WIND DIRECTION	WEST	
WIND SPEED	5.0	M/H
SKY CONDITION	OVERCAST	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9394	8.00/8.00	IN
05-21-96		
*** PEST ***		
LAMBSQUARTERS, C	HGH/19	
	2.00/6.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 0.19 lb Poast Plus 6-13-96

TRIAL # US 720/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	CHEAL CON % 07-03-96	GLXMA CON % 07-22-96	CHEAL CON % 07-22-96
1	A£RESOURCE	0.027	LAA	12	2	62	3	53
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
2	A£RESOURCE	0.034	LAA	12	3	65	0	57
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
3	A£RESOURCE 80 WG	0.027	LAA	12	2	30	2	30
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
4	A£RESOURCE 80 WG	0.034	LAA	12	0	33	0	27
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
5	A£RESOURCE	0.027	LAA	12	18	89	8	85
	B PINNACLE (25WG)	0.0016	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
6	A£RESOURCE	0.027	LAA	12	15	85	10	72
	B PINNACLE (25WG)	0.002	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
7	A£RESOURCE	0.034	LAA	12	18	89	10	83
	B PINNACLE (25WG)	0.0016	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
8	A£RESOURCE	0.034	LAA	12	13	91	5	83
	B PINNACLE (25WG)	0.002	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
9	A£RESOURCE 80 WG	0.027	LAA	12	7	83	2	82
	B PINNACLE (25WG)	0.0016	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
10	A£RESOURCE 80 WG	0.027	LAA	12	7	78	3	77
	B PINNACLE (25WG)	0.002	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
11	A£RESOURCE 80 WG	0.034	LAA	12	7	88	3	83
	B PINNACLE (25WG)	0.0016	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
12	A£RESOURCE 80 WG	0.034	LAA	12	5	83	2	75
	B PINNACLE (25WG)	0.002	LAA	12				
	C£COC	0.5	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
13	A PINNACLE (25WG)	0.0016	LAA	12	8	47	8	65
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
14	A PINNACLE (25WG)	0.002	LAA	12	13	43	7	76
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
15	A PINNACLE (25WG)	0.004	LAA	12	23	80	15	94
	B£ACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
16	A UNTREATED CHECK	0.00	NA	0	0	0	0	0
17	A£RESOURCE II	0.027	LAA	12	7	63	12	60
	B£COC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
18	A£ACTION	0.0035	LAA	12	2	40	8	60
	B£COC	1.00	PMV	12				

TRIAL # US 720/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	CHEAL CON % 07-03-96	GLXMA CON % 07-22-96	CHEAL CON % 07-22-96
19A£ACTION	0.0045	LAA	12	3	57	0	70
B£COC	1.00	PMV	12				
20A£ACTION	0.0045	LAA	12	10	91	2	85
B£EXPERT	0.061	LAA	12				
C£COC	1.00	PMV	12				
21A£ACTION	0.0045	LAA	12	3	68	5	60
B PURSUIT (2SL)	0.063	LAA	12				
C£COC	1.00	PMV	12				
LSD (0.05)				7.2	9.5	6.7	14.9
STANDARD DEVIATION				7.4	25.0	5.6	23.7

£ = SUPPLEMENTAL CHEMICAL

 EVALUATION OF DUAL II APPLIC. TIMINGS (HEAVY INFESTATION)

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	01	04	07	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	11-20-95	04-10-96	05-19-96	05-19-96	MDY
AIR TEMPERATURE	57	57	87	85	½F
% REL.HUMIDITY	25	25	40	45	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	15.0	15.0	17.5	13.5	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT PIONEER 3394 05-19-96	HGH/NA ****/****	HGH/NA ****/****	HGH/00 ****/****	HGH/00 ****/****	IN
*** PEST ***					
FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/00 ****/****	HGH/00 ****/****	IN

*** TIMING CODES**

01 = FALL
04 = EPP30 DBP
07 = PPI
09 = PRE

*** STAGE CODE**

00 = DRY SEED (DORMANT)
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96

TRIAL # US 601/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 06-21-96	ZEAMD CON % 06-21-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A	DUAL II (7.8EC)	3.00	LAA	1	70	0	0	55
	BECONVENTIONAL	0.00	NA	1				
2A	DUAL II (7.8EC)	3.00	LAA	4	80	0	0	72
	BECONVENTIONAL	0.00	NA	4				
3A	DUAL II (7.8EC)	3.00	LAA	7	93	0	0	87
	BECONVENTIONAL	0.00	NA	7				
4A	DUAL II (7.8EC)	3.00	LAA	9	99	0	0	93
	BECONVENTIONAL	0.00	NA	9				
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
	BECONVENTIONAL	0.00	NA	0				
6A	SURPASS (6.4EC)	2.4	LAA	9	99	0	0	92
	BECONVENTIONAL	0.00	NA	9				
7A	DUAL II (7.8EC)	3.00	LAA	1	88	0	0	66
	BENO-TILL	0.00	LAA	1				
8A	DUAL II (7.8EC)	3.00	LAA	4	93	0	0	83
	BENO-TILL	0.00	LAA	4				
9A	DUAL II (7.8EC)	3.00	LAA	9	99	0	0	95
	BENO-TILL	0.00	LAA	9				
10A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
	BENO-TILL	0.00	LAA	0				
11A	LASSO MICRO-TECH (4CS)	3.5	LAA	9	95	0	0	63
	BENO-TILL	0.00	LAA	9				
12A	SURPASS (6.4EC)	2.4	LAA	9	98	0	0	82
	BENO-TILL	0.00	LAA	9				
	LSD (0.05)				11.4	0.0	0.0	23.0
	STANDARD DEVIATION				35.4	0.0	0.0	33.6

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF DUAL II APPLIC. TIMINGS (LIGHT INFESTATION)
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	04	07	09	01	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-10-96	05-19-96	05-19-96	11-20-95	MDY
AIR TEMPERATURE	57	86	86	48	½F
% REL.HUMIDITY	25	40	40	40	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	15.0	17.5	17.5	12.5	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
PIONEER 3394	****/****	****/****	****/****	****/****	IN
05-19-96					
*** PEST ***					
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/NA	HGH/NA	
	****/****	****/****	****/****	****/****	IN

*** TIMING CODES**
01 = FALL
04 = EPP30 DBP
07 = PPI
09 = PRE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-19-96	SETFA CON % 06-19-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A	DUAL II (7.8EC)	3.00	LAA	1	0	90	0	87
	B£NO-TILL	0.00	LAA	1				
2A	DUAL II (7.8EC)	3.00	LAA	4	0	95	0	93
	B£NO-TILL	0.00	LAA	4				
3A	DUAL II (7.8EC)	3.00	LAA	9	0	99	0	96
	B£NO-TILL	0.00	LAA	9				
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
	B£NO-TILL	0.00	LAA	0				
5A	LASSO MICRO-TECH (4CS)	3.5	LAA	9	0	96	0	96
	B£NO-TILL	0.00	LAA	9				
6A	SURPASS (6.4EC)	2.4	LAA	9	0	99	0	95
	B£NO-TILL	0.00	LAA	9				
7A	DUAL II (7.8EC)	3.00	LAA	1	0	83	0	73
	B£CONVENTIONAL	0.00	NA	1				
8A	DUAL II (7.8EC)	3.00	LAA	4	0	98	0	95
	B£CONVENTIONAL	0.00	NA	4				
9A	DUAL II (7.8EC)	3.00	LAA	7	2	95	0	95
	B£CONVENTIONAL	0.00	NA	7				
10A	DUAL II (7.8EC)	3.00	LAA	9	0	99	0	99
	B£CONVENTIONAL	0.00	NA	9				
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
	B£CONVENTIONAL	0.00	NA	0				
12A	SURPASS (6.4EC)	2.4	LAA	9	5	99	0	92
	B£CONVENTIONAL	0.00	NA	9				
		LSD (0.05)			2.7	4.7	0.0	8.8
		STANDARD DEVIATION			2.0	35.9	0.0	35.2

£ = SUPPLEMENTAL CHEMICAL

 EARLY PREPLANT EVAL. OF CHLOROACETAMIDE HERBS. IN NO-TILL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	02	03	04	05	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	03-11-96	03-27-96	04-10-96	04-24-96	05-19-96	MDY
AIR TEMPERATURE	47	34	57	67	85	½F
% REL.HUMIDITY	55	46	25	31	45	
WIND DIRECTION	SOUTHWEST	WEST	WEST	SOUTHEAST	SOUTHWEST	
WIND SPEED	20.0	15.0	15.0	10.0	12.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
CORN, DENT PIONEER 3394 05-17-96	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN
*** PEST ***						
FOXTAIL, GIANT	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	HGH/NA ****/****	IN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	06	UNIT
TIMINGS	10	
TYPE	LIQMXSPR	
APPLICATION DATE	06-14-96	MDY
AIR TEMPERATURE	82	½F
% REL.HUMIDITY	56	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/12	
PIONEER 3394	4.00/5.00	IN
05-17-96		
*** PEST ***		
FOXTAIL, GIANT	HGH/12	
	1.00/2.00	IN

*** TIMING CODES**

02 = EPP60 DBP
03 = EPP45 DBP
04 = EPP30 DBP
05 = EPP15 DBP
09 = PRE
10 = VEPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

Blanket application 0.5 lb Clarity 6-16-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-19-96	SETFA CON % 06-19-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A£	DUAL II MAGNUM	1.9	LAA	2	0	85	0	65
2A	DUAL II (7.8EC)	3.00	LAA	2	0	90	0	70
3A£	FRONTIER 6.0L (EC)	1.46	LAA	2	0	67	0	17
4A£	TOPNOTCH	2.4	LAA	2	0	53	0	20
5A£	AXIOM	1.02	LAA	2	0	95	0	75
6A£	DUAL II MAGNUM	1.9	LAA	3	0	90	0	67
7A	DUAL II (7.8EC)	3.00	LAA	3	0	85	0	68
8A£	FRONTIER 6.0L (EC)	1.46	LAA	3	0	77	0	27
9A£	TOPNOTCH	2.4	LAA	3	0	83	0	70
10A£	AXIOM	1.02	LAA	3	0	95	0	80
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
12A£	DUAL II MAGNUM	1.9	LAA	4	0	92	0	75
13A	DUAL II (7.8EC)	3.00	LAA	4	0	90	0	78
14A£	FRONTIER 6.0L (EC)	1.46	LAA	4	0	82	0	67
15A£	TOPNOTCH	2.4	LAA	4	0	77	0	70
16A£	AXIOM	1.02	LAA	4	0	88	0	80
17A£	DUAL II MAGNUM	1.9	LAA	5	0	92	0	75
18A	DUAL II (7.8EC)	3.00	LAA	5	0	93	0	77
19A£	FRONTIER 6.0L (EC)	1.46	LAA	5	0	83	0	53
20A£	TOPNOTCH	2.4	LAA	5	0	90	0	70
21A£	AXIOM	1.02	LAA	5	0	99	0	93
22A£	DUAL II MAGNUM	1.9	LAA	9	0	98	0	98
23A	DUAL II (7.8EC)	3.00	LAA	9	0	99	0	95
24A£	FRONTIER 6.0L (EC)	1.46	LAA	9	0	98	0	88
25A£	TOPNOTCH	2.4	LAA	9	0	98	0	93
26A£	AXIOM	1.02	LAA	9	0	98	0	98
27A£	FRONTIER 6.0L (EC)	0.94	LAA	10	0	77	0	88
	B ACCENT (75WG)	0.016	LAA	10				
	C£ACTIVATE PLUS	0.25	PMV	10				
28A£	HAND WEEDED	0.00	NA	0	0	99	0	99
	LSD (0.05)				0.0	11.8	0.0	13.2
	STANDARD DEVIATION				0.0	20.3	0.0	25.9

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN NO-TILL CORN PRODUCTION
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	09	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-11-00	05-19-96	06-20-96	MDY
AIR TEMPERATURE	78	87	85	½F
% REL.HUMIDITY	27	40	46	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.5	17.5	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/NA	HGH/15	
PIONEER 3394	****/****	****/****	6.00/8.00	IN
05-17-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/14	
	****/****	****/****	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/16	
	****/****	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	2.00/4.00	IN

*** TIMING CODES**
04 = EPP30 DBP
09 = PRE
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRIAL # US 604/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-19-96	SETFA CON % 06-19-96	ABUTH CON % 06-19-96	CHEAL CON % 06-19-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A	BICEP II (6SC)	4.13	LAA	4	0	80	75	96	0	75
2A	£GUARDSMAN	3.13	LAA	4	0	83	88	99	0	72
3A	SURPASS 100 (5SC)	3.5	LAA	4	3	70	95	99	0	38
4A	£HARNESS XTRA 5.6L	3.64	LAA	4	0	78	96	99	0	73
5A	EXTRAZINE II DF (90WG)	4.5	LAA	4	0	47	67	73	0	38
6A	£TOPNOTCH	2.00	LAA	4	2	96	95	99	0	83
	B ATRAZINE 90DF (WG)	1.5	LAA	4						
7A	£TOPNOTCH	2.4	LAA	4	2	90	95	99	0	72
	B ATRAZINE 90DF (WG)	1.5	LAA	4						
8A	£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	4	2	85	96	99	0	75
9A	£ICIA 5676/ATRAZINE (4SC)	3.6	LAA	4	0	90	90	99	0	73
10A	£ICIA 5676/ATRAZINE (4SC)	4.00	LAA	4	2	95	95	99	0	82
11A	£AXIOM	0.98	LAA	4	0	80	95	99	0	65
	B ATRAZINE 90DF (WG)	1.5	LAA	4						
12A	£AXIOM	0.94	LAA	4	0	87	87	98	0	87
	B MARKSMAN (3.2SC)	1.4	LAA	11						
13A	DUAL II (7.8EC)	2.5	LAA	4	7	88	68	83	0	88
	B MARKSMAN (3.2SC)	1.4	LAA	11						
14A	DUAL II (7.8EC)	2.5	LAA	4	0	88	75	83	0	93
	B SENCOR DF (75WG)	0.188	LAA	4						
	C MARKSMAN (3.2SC)	1.4	LAA	11						
15A	ACCENT (75WG)	0.031	LAA	11	0	0	0	0	0	90
	B MARKSMAN (3.2SC)	1.4	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
16A	£BROADSTRIKE PLUS	0.26	LAA	4	2	87	96	99	0	68
	B£TOPNOTCH	2.4	LAA	4						
17A	£BROADSTRIKE PLUS	0.17	LAA	4	5	77	92	99	0	67
	B SURPASS 100 (5SC)	3.5	LAA	4						
18A	BICEP II (6SC)	3.69	LAA	9	2	96	96	99	0	85
19A	£GUARDSMAN	2.81	LAA	9	0	98	83	99	0	93
20A	£SURPASS 100	3.13	LAA	9	0	91	92	99	0	90
21A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
22A	EXTRAZINE II DF (90WG)	4.00	LAA	9	3	94	96	99	0	82
23A	£HARNESS XTRA 5.6L	3.36	LAA	9	3	98	96	99	0	91
24A	£TOPNOTCH	2.00	LAA	9	8	88	96	99	0	82
	B ATRAZINE 90DF (WG)	1.5	LAA	9						
25A	£ICIA 5676/ATRAZINE (4SC)	3.00	LAA	9	0	99	98	99	0	96
26A	£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	9	2	98	98	99	0	93
27A	£AXIOM	0.94	LAA	9	3	99	99	99	0	96
	B ATRAZINE 90DF (WG)	1.5	LAA	9						
28A	£BROADSTRIKE+DUAL	2.4	LAA	9	7	95	96	99	0	91
	B ATRAZINE 90DF (WG)	1.25	LAA	9						
29A	£BROADSTRIKE PLUS	0.26	LAA	9	2	99	96	99	0	78
	B£TOPNOTCH	2.00	LAA	9						
30A	SURPASS 100 (5SC)	3.13	LAA	9	2	99	98	99	0	83
	B£BROADSTRIKE PLUS	0.17	LAA	9						
	LSD (0.05)				6.1	15.7	11.3	13.8	0.0	12.3
	STANDARD DEVIATION				3.8	25.7	24.9	25.8	0.0	21.0

TRIAL # US 604/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
1A	BICEP II (6SC)	4.13	LAA	4	85	99
2A	£GUARDSMAN	3.13	LAA	4	85	99
3A	SURPASS 100 (5SC)	3.5	LAA	4	80	99
4A	£HARNESS XTRA 5.6L	3.64	LAA	4	93	99
5A	EXTRAZINE II DF (90WG)	4.5	LAA	4	0	67
6A	£TOPNOTCH	2.00	LAA	4	92	99
	B ATRAZINE 90DF (WG)	1.5	LAA	4		
7A	£TOPNOTCH	2.4	LAA	4	98	99
	B ATRAZINE 90DF (WG)	1.5	LAA	4		
8A	£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	4	0	90
9A	£ICIA 5676/ATRAZINE (4SC)	3.6	LAA	4	99	99
10A	£ICIA 5676/ATRAZINE (4SC)	4.00	LAA	4	93	99
11A	£AXIOM	0.98	LAA	4	0	83
	B ATRAZINE 90DF (WG)	1.5	LAA	4		
12A	£AXIOM	0.94	LAA	4	98	99
	B MARKSMAN (3.2SC)	1.4	LAA	11		
13A	DUAL II (7.8EC)	2.5	LAA	4	99	99
	B MARKSMAN (3.2SC)	1.4	LAA	11		
14A	DUAL II (7.8EC)	2.5	LAA	4	99	99
	B SENCOR DF (75WG)	0.188	LAA	4		
	C MARKSMAN (3.2SC)	1.4	LAA	11		
15A	ACCENT (75WG)	0.031	LAA	11	98	99
	B MARKSMAN (3.2SC)	1.4	LAA	11		
	C£ACTIVATE PLUS	0.25	PMV	11		
16A	£BROADSTRIKE PLUS	0.26	LAA	4	99	99
	B£TOPNOTCH	2.4	LAA	4		
17A	£BROADSTRIKE PLUS	0.17	LAA	4	99	99
	B SURPASS 100 (5SC)	3.5	LAA	4		
18A	BICEP II (6SC)	3.69	LAA	9	95	99
19A	£GUARDSMAN	2.81	LAA	9	90	99
20A	£SURPASS 100	3.13	LAA	9	93	99
21A	UNTREATED CHECK	0.00	NA	0	0	0
22A	EXTRAZINE II DF (90WG)	4.00	LAA	9	95	99
23A	£HARNESS XTRA 5.6L	3.36	LAA	9	99	99
24A	£TOPNOTCH	2.00	LAA	9	96	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9		
25A	£ICIA 5676/ATRAZINE (4SC)	3.00	LAA	9	94	99
26A	£ICIA 5676/ATRAZINE (4SC)	3.3	LAA	9	98	99
27A	£AXIOM	0.94	LAA	9	99	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9		
28A	£BROADSTRIKE+DUAL	2.4	LAA	9	99	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9		
29A	£BROADSTRIKE PLUS	0.26	LAA	9	99	99
	B£TOPNOTCH	2.00	LAA	9		
30A	SURPASS 100 (5SC)	3.13	LAA	9	98	99
	B£BROADSTRIKE PLUS	0.17	LAA	9		
	LSD (0.05)				8.2	3.5
	STANDARD DEVIATION				19.6	18.7

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXP31130A FOR WEED CONTROL IN NO-TILL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 4.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	05	09	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-24-96	05-19-96	MDY
AIR TEMPERATURE	68	87	½F
% REL.HUMIDITY	32	40	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	
WIND SPEED	10.0	17.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/00	
PIONEER 3394	****/****	****/****	IN
05-18-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/00	
	****/****	****/****	IN
PIGWEED, REDROOT	HGH/NA	HGH/NA	
	****/****	****/****	IN
LAMBSQUARTERS, C	HGH/NA	HGH/00	
	****/****	****/****	IN
FOXTAIL, GIANT	HGH/NA	HGH/00	
	****/****	****/****	IN

*** TIMING CODES**
05 = EPP15
09 = PRE

*** STAGE CODE**
00 = DRY SEED (DORMANT)
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRIAL # US 605/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-19-96	SETFA CON % 06-19-96	ABUTH CON % 06-19-96	CHEAL CON % 06-19-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A£EXP31130A	0.094	LAA	5	0	73	95	94	0	67
2A£EXP31130A	0.14	LAA	5	0	72	92	96	0	65
3A£EXP31130A	0.094	LAA	5	0	92	92	99	0	75
B£TOPNOTCH	1.00	LAA	5						
4A£EXP31130A	0.14	LAA	5	0	88	93	98	0	82
B£TOPNOTCH	1.00	LAA	5						
5A£EXP31130A	0.094	LAA	5	0	87	92	98	0	75
B£TOPNOTCH	1.5	LAA	5						
6A£EXP31130A	0.094	LAA	5	0	92	95	99	0	82
B ATRAZINE 90DF (WG)	1.25	LAA	5						
C£TOPNOTCH	1.00	LAA	5						
7A£EXP31130A	0.094	LAA	5	0	88	87	90	0	75
B DUAL II (7.8EC)	1.25	LAA	5						
8A£EXP31130A	0.14	LAA	5	0	95	93	91	0	90
B DUAL II (7.8EC)	1.25	LAA	5						
9A£EXP31130A	0.094	LAA	5	0	92	90	98	0	85
B DUAL II (7.8EC)	1.875	LAA	5						
10A£EXP31130A	0.094	LAA	5	0	93	95	99	0	88
B ATRAZINE 90DF (WG)	1.25	LAA	5						
C DUAL II (7.8EC)	1.00	LAA	5						
11A£EXP31130A	0.094	LAA	5	0	67	95	96	0	72
B ATRAZINE 90DF (WG)	1.25	LAA	5						
12A£EXP31130A	0.094	LAA	5	0	85	92	99	0	75
B ATRAZINE 90DF (WG)	2.00	LAA	5						
13A DUAL II (7.8EC)	2.00	LAA	5	0	96	96	99	0	85
C ATRAZINE 90DF (WG)	2.00	LAA	5						
14A BICEP II (6SC)	4.13	LAA	5	0	90	83	99	0	82
15A£EXP31130A	0.094	LAA	9	0	98	96	99	0	93
16A£EXP31130A	0.118	LAA	9	0	96	93	99	2	85
17A£EXP31130A	0.094	LAA	9	0	95	96	99	0	88
B£TOPNOTCH	1.00	LAA	9						
18A£EXP31130A	0.118	LAA	9	0	96	92	99	0	80
B£TOPNOTCH	1.00	LAA	9						
19A£EXP31130A	0.094	LAA	9	0	99	93	99	2	83
B£TOPNOTCH	1.5	LAA	9						
20A£EXP31130A	0.094	LAA	9	0	99	96	99	0	93
B ATRAZINE 90DF (WG)	1.25	LAA	9						
C£TOPNOTCH	1.00	LAA	9						
21A£EXP31130A	0.094	LAA	9	0	99	93	99	0	90
B DUAL II (7.8EC)	1.25	LAA	9						
22A£EXP31130A	0.118	LAA	9	0	95	93	99	0	83
B DUAL II (7.8EC)	1.25	LAA	9						
23A£EXP31130A	0.094	LAA	9	0	99	95	99	0	93
B DUAL II (7.8EC)	1.875	LAA	9						
24A£EXP31130A	0.094	LAA	9	0	98	95	99	0	93
B ATRAZINE 90DF (WG)	1.25	LAA	9						
C DUAL II (7.8EC)	1.00	LAA	9						
25A£EXP31130A	0.094	LAA	9	0	95	95	99	0	83
B ATRAZINE 90DF (WG)	1.25	LAA	9						
26A£EXP31130A	0.094	LAA	9	0	96	95	99	0	82
B ATRAZINE 90DF (WG)	2.00	LAA	9						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-19-96	SETFA CON % 06-19-96	ABUTH CON % 06-19-96	CHEAL CON % 06-19-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
27A	DUAL II (7.8EC)	2.00	LAA	9	0	95	88	99	2	85
C	ATRAZINE 90DF (WG)	2.00	LAA	9						
28A	BICEP II (6SC)	4.13	LAA	9	0	98	90	99	0	92
29A	£HAND WEEDED	0.00	NA	9	0	0	0	0	0	99
		LSD (0.05)			0.0	9.3	6.4	5.5	1.5	11.8
		STANDARD DEVIATION			0.0	19.2	17.5	18.2	0.9	10.0

TRIAL # US 605/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	AMARE CON % 07-23-96
1	A£EXP31130A	0.094	LAA	5	95	93	86
2	A£EXP31130A	0.14	LAA	5	95	82	85
3	A£EXP31130A	0.094	LAA	5	88	88	90
	B£TOPNOTCH	1.00	LAA	5			
4	A£EXP31130A	0.14	LAA	5	98	98	93
	B£TOPNOTCH	1.00	LAA	5			
5	A£EXP31130A	0.094	LAA	5	90	93	96
	B£TOPNOTCH	1.5	LAA	5			
6	A£EXP31130A	0.094	LAA	5	95	99	95
	B ATRAZINE 90DF (WG)	1.25	LAA	5			
	C£TOPNOTCH	1.00	LAA	5			
7	A£EXP31130A	0.094	LAA	5	78	75	94
	B DUAL II (7.8EC)	1.25	LAA	5			
8	A£EXP31130A	0.14	LAA	5	96	85	90
	B DUAL II (7.8EC)	1.25	LAA	5			
9	A£EXP31130A	0.094	LAA	5	83	82	90
	B DUAL II (7.8EC)	1.875	LAA	5			
10	A£EXP31130A	0.094	LAA	5	95	99	96
	B ATRAZINE 90DF (WG)	1.25	LAA	5			
	C DUAL II (7.8EC)	1.00	LAA	5			
11	A£EXP31130A	0.094	LAA	5	92	99	98
	B ATRAZINE 90DF (WG)	1.25	LAA	5			
12	A£EXP31130A	0.094	LAA	5	96	99	98
	B ATRAZINE 90DF (WG)	2.00	LAA	5			
13	A DUAL II (7.8EC)	2.00	LAA	5	88	99	96
	C ATRAZINE 90DF (WG)	2.00	LAA	5			
14	A BICEP II (6SC)	4.13	LAA	5	82	98	93
15	A£EXP31130A	0.094	LAA	9	96	99	96
16	A£EXP31130A	0.118	LAA	9	95	98	95
17	A£EXP31130A	0.094	LAA	9	96	99	93
	B£TOPNOTCH	1.00	LAA	9			
18	A£EXP31130A	0.118	LAA	9	88	98	93
	B£TOPNOTCH	1.00	LAA	9			
19	A£EXP31130A	0.094	LAA	9	88	99	95
	B£TOPNOTCH	1.5	LAA	9			
20	A£EXP31130A	0.094	LAA	9	96	99	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9			
	C£TOPNOTCH	1.00	LAA	9			
21	A£EXP31130A	0.094	LAA	9	93	91	93
	B DUAL II (7.8EC)	1.25	LAA	9			
22	A£EXP31130A	0.118	LAA	9	88	88	93
	B DUAL II (7.8EC)	1.25	LAA	9			
23	A£EXP31130A	0.094	LAA	9	92	98	96
	B DUAL II (7.8EC)	1.875	LAA	9			
24	A£EXP31130A	0.094	LAA	9	96	99	99
	B ATRAZINE 90DF (WG)	1.25	LAA	9			
	C DUAL II (7.8EC)	1.00	LAA	9			
25	A£EXP31130A	0.094	LAA	9	96	99	98
	B ATRAZINE 90DF (WG)	1.25	LAA	9			
26	A£EXP31130A	0.094	LAA	9	93	99	99
	B ATRAZINE 90DF (WG)	2.00	LAA	9			

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	AMARE CON % 07-23-96
27A	DUAL II (7.8EC)	2.00	LAA	9	77	99	98
C	ATRAZINE 90DF (WG)	2.00	LAA	9			
28A	BICEP II (6SC)	4.13	LAA	9	78	99	99
29A£	HAND WEEDED	0.00	NA	9	99	99	99
		LSD (0.05)			8.1	7.9	8.3
		STANDARD DEVIATION			7.5	7.6	5.5

£ = SUPPLEMENTAL CHEMICAL

 EARLY PREPLANT EVAL. OF EXP31130A FOR WEED CONTROL IN CONV. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	05	
TYPE	LIQMXSPR	
APPLICATION DATE	04-10-96	MDY
AIR TEMPERATURE	57	½F
% REL.HUMIDITY	25	
WIND DIRECTION	WEST	
WIND SPEED	15.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
DK592	****/****	IN
05-02-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
05 = EPP15 DBP

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 606/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-14-96	SETFA CON % 06-14-96	ABUTH CON % 06-14-96	CHEAL CON % 06-14-96	POLPY CON % 06-14-96	ZEAMD CON % 07-11-96
1A£	EXP31130A	0.094	LAA	5	0	72	65	98	82	0
2A£	EXP31130A	0.141	LAA	5	2	75	82	98	90	0
3A£	EXP31130A	0.094	LAA	5	0	88	83	98	76	0
	B£TOPNOTCH	1.00	LAA	5						
4A£	EXP31130A	0.141	LAA	5	2	82	85	98	83	0
	B£TOPNOTCH	1.00	LAA	5						
5A£	EXP31130A	0.094	LAA	5	0	93	88	99	88	0
	B£TOPNOTCH	1.5	LAA	5						
6A£	EXP31130A	0.094	LAA	5	2	88	93	99	95	0
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C£TOPNOTCH	1.00	LAA	5						
7A£	EXP31130A	0.094	LAA	5	0	78	85	99	82	0
	B DUAL II (7.8EC)	1.25	LAA	5						
8A£	EXP31130A	0.141	LAA	5	3	78	93	98	57	3
	B DUAL II (7.8EC)	1.25	LAA	5						
9A£	EXP31130A	0.094	LAA	5	3	90	91	95	72	0
	B DUAL II (7.8EC)	1.875	LAA	5						
10A£	EXP31130A	0.094	LAA	5	3	85	98	98	91	0
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
	C DUAL II (7.8EC)	1.25	LAA	5						
11A£	EXP31130A	0.094	LAA	5	0	75	91	99	93	0
	B ATRAZINE 90DF (WG)	1.25	LAA	5						
12A£	EXP31130A	0.094	LAA	5	0	83	90	99	96	2
	B ATRAZINE 90DF (WG)	2.00	LAA	5						
13A	ATRAZINE 90DF (WG)	2.00	LAA	5	3	85	70	99	98	0
	B DUAL II (7.8EC)	2.00	LAA	5						
14A	BICEP II (6SC)	4.00	LAA	5	0	96	82	98	99	0
15A	UNTREATED CHECK	0.00	NA	5	0	0	0	0	0	0
	LSD (0.05)				5.2	9.9	17.3	3.2	20.0	2.8
	STANDARD DEVIATION				3.0	22.4	24.6	24.5	25.9	1.6

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-11-96	ABUTH CON % 07-11-96	CHEAL CON % 07-11-96	POLPY CON % 07-11-96
1A£EXP31130A	0.094	LAA	5	28	85	77	85
2A£EXP31130A	0.141	LAA	5	42	95	95	88
3A£EXP31130A	0.094	LAA	5	62	87	88	75
B£TOPNOTCH	1.00	LAA	5				
4A£EXP31130A	0.141	LAA	5	67	93	91	85
B£TOPNOTCH	1.00	LAA	5				
5A£EXP31130A	0.094	LAA	5	78	88	85	90
B£TOPNOTCH	1.5	LAA	5				
6A£EXP31130A	0.094	LAA	5	72	95	99	98
B ATRAZINE 90DF (WG)	1.25	LAA	5				
C£TOPNOTCH	1.00	LAA	5				
7A£EXP31130A	0.094	LAA	5	67	90	87	80
B DUAL II (7.8EC)	1.25	LAA	5				
8A£EXP31130A	0.141	LAA	5	70	95	88	50
B DUAL II (7.8EC)	1.25	LAA	5				
9A£EXP31130A	0.094	LAA	5	78	91	86	67
B DUAL II (7.8EC)	1.875	LAA	5				
10A£EXP31130A	0.094	LAA	5	77	96	98	96
B ATRAZINE 90DF (WG)	1.25	LAA	5				
C DUAL II (7.8EC)	1.25	LAA	5				
11A£EXP31130A	0.094	LAA	5	50	98	99	96
B ATRAZINE 90DF (WG)	1.25	LAA	5				
12A£EXP31130A	0.094	LAA	5	72	96	99	98
B ATRAZINE 90DF (WG)	2.00	LAA	5				
13A ATRAZINE 90DF (WG)	2.00	LAA	5	80	58	99	96
B DUAL II (7.8EC)	2.00	LAA	5				
14A BICEP II (6SC)	4.00	LAA	5	85	83	99	99
15A UNTREATED CHECK	0.00	NA	5	0	0	0	0
LSD (0.05)				17.9	14.7	10.7	23.1
STANDARD DEVIATION				24.0	25.3	24.4	27.5

£ = SUPPLEMENTAL CHEMICAL

 EVAL. OF EXP31130A PREEMERGENCE FOR WEED CONTROL IN CONV. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	62	½F
% REL.HUMIDITY	27	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
DK592	****/****	IN
05-02-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
RAGWEED, COMMON	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
09 = PRE

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 607/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-14-96	SETFA CON % 06-14-96	ABUTH CON % 06-14-96	AMBEL CON % 06-14-96	CHEAL CON % 06-14-96	POLPY CON % 06-14-96
1A	£EXP31130A	0.071	LAA	9	0	87	95	96	99	96
2A	£EXP31130A	0.094	LAA	9	0	90	99	80	99	95
3A	£EXP31130A	0.12	LAA	9	0	88	99	91	99	95
4A	DUAL II (7.8EC)	1.00	LAA	9	0	95	0	0	0	0
5A	DUAL II (7.8EC)	1.25	LAA	9	0	95	0	10	0	0
6A	DUAL II (7.8EC)	1.5	LAA	9	0	95	10	5	0	0
7A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	77	60	90	98	96
8A	UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
9A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
10A	ATRAZINE 90DF (WG)	1.5	LAA	9	0	85	85	95	99	99
11A	£EXP31130A	0.094	LAA	9	0	98	96	87	99	93
B	DUAL II (7.8EC)	1.00	LAA	9						
12A	£EXP31130A	0.094	LAA	9	0	96	96	88	99	99
B	DUAL II (7.8EC)	1.25	LAA	9						
13A	£EXP31130A	0.094	LAA	9	2	99	98	95	99	92
B	DUAL II (7.8EC)	1.5	LAA	9						
14A	£EXP31130A	0.094	LAA	9	0	93	99	88	99	98
B	ATRAZINE 90DF (WG)	1.00	LAA	9						
15A	£EXP31130A	0.094	LAA	9	2	95	96	98	99	99
B	ATRAZINE 90DF (WG)	1.5	LAA	9						
16A	£EXP31130A	0.094	LAA	9	0	96	98	93	99	99
B	DUAL II (7.8EC)	1.00	LAA	9						
D	ATRAZINE 90DF (WG)	1.00	LAA	9						
17A	£EXP31130A	0.094	LAA	9	3	99	98	96	99	99
B	DUAL II (7.8EC)	1.00	LAA	9						
D	ATRAZINE 90DF (WG)	1.5	LAA	9						
18A	£EXP31130A	0.094	LAA	9	2	96	98	98	99	99
B	DUAL II (7.8EC)	1.25	LAA	9						
D	ATRAZINE 90DF (WG)	1.00	LAA	9						
19A	£EXP31130A	0.094	LAA	9	0	96	98	99	99	99
B	DUAL II (7.8EC)	1.25	LAA	9						
D	ATRAZINE 90DF (WG)	1.5	LAA	9						
20A	£EXP31130A	0.094	LAA	9	3	96	99	87	98	99
B	DUAL II (7.8EC)	1.5	LAA	9						
D	ATRAZINE 90DF (WG)	1.00	LAA	9						
21A	£EXP31130A	0.094	LAA	9	0	98	98	96	99	99
B	DUAL II (7.8EC)	1.5	LAA	9						
D	ATRAZINE 90DF (WG)	1.5	LAA	9						
22A	£EXP31130A	0.094	LAA	9	5	95	99	87	99	98
B	SURPASS (6.4EC)	1.00	LAA	9						
23A	£EXP31130A	0.094	LAA	9	0	98	99	90	99	98
B	SURPASS (6.4EC)	1.2	LAA	9						
24A	BICEP II (6SC)	4.00	LAA	9	0	99	98	93	99	99
	LSD (0.05)				4.3	5.8	7.5	11.3	1.1	3.7
	STANDARD DEVIATION				2.5	19.7	35.7	33.8	36.9	36.4

TRIAL # US 607/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	ABUTH CON % 07-11-96	AMBEL CON % 07-11-96	CHEAL CON % 07-11-96	POLPY CON % 07-11-96
1A£EXP31130A	0.071	LAA	9	0	52	91	92	98	91
2A£EXP31130A	0.094	LAA	9	0	68	93	70	99	90
3A£EXP31130A	0.12	LAA	9	0	68	92	88	98	96
4A DUAL II (7.8EC)	1.00	LAA	9	0	90	68	3	63	72
5A DUAL II (7.8EC)	1.25	LAA	9	0	93	77	5	80	70
6A DUAL II (7.8EC)	1.5	LAA	9	0	92	78	20	67	72
7A ATRAZINE 90DF (WG)	1.00	LAA	9	0	27	65	83	99	98
8A UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
9A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
10A ATRAZINE 90DF (WG)	1.5	LAA	9	0	38	83	95	99	99
11A£EXP31130A	0.094	LAA	9	0	92	92	75	98	85
B DUAL II (7.8EC)	1.00	LAA	9						
12A£EXP31130A	0.094	LAA	9	0	92	85	75	98	96
B DUAL II (7.8EC)	1.25	LAA	9						
13A£EXP31130A	0.094	LAA	9	0	95	85	91	99	78
B DUAL II (7.8EC)	1.5	LAA	9						
14A£EXP31130A	0.094	LAA	9	0	80	93	92	99	99
B ATRAZINE 90DF (WG)	1.00	LAA	9						
15A£EXP31130A	0.094	LAA	9	0	82	98	96	99	99
B ATRAZINE 90DF (WG)	1.5	LAA	9						
16A£EXP31130A	0.094	LAA	9	0	92	93	95	99	99
B DUAL II (7.8EC)	1.00	LAA	9						
D ATRAZINE 90DF (WG)	1.00	LAA	9						
17A£EXP31130A	0.094	LAA	9	0	95	98	99	99	99
B DUAL II (7.8EC)	1.00	LAA	9						
D ATRAZINE 90DF (WG)	1.5	LAA	9						
18A£EXP31130A	0.094	LAA	9	0	93	95	96	99	98
B DUAL II (7.8EC)	1.25	LAA	9						
D ATRAZINE 90DF (WG)	1.00	LAA	9						
19A£EXP31130A	0.094	LAA	9	0	95	95	98	99	98
B DUAL II (7.8EC)	1.25	LAA	9						
D ATRAZINE 90DF (WG)	1.5	LAA	9						
20A£EXP31130A	0.094	LAA	9	0	92	93	80	99	98
B DUAL II (7.8EC)	1.5	LAA	9						
D ATRAZINE 90DF (WG)	1.00	LAA	9						
21A£EXP31130A	0.094	LAA	9	0	95	93	98	99	98
B DUAL II (7.8EC)	1.5	LAA	9						
D ATRAZINE 90DF (WG)	1.5	LAA	9						
22A£EXP31130A	0.094	LAA	9	2	83	92	81	95	86
B SURPASS (6.4EC)	1.00	LAA	9						
23A£EXP31130A	0.094	LAA	9	0	88	87	82	96	87
B SURPASS (6.4EC)	1.2	LAA	9						
24A BICEP II (6SC)	4.00	LAA	9	0	95	87	93	99	98
LSD (0.05)				1.0	11.2	9.1	15.5	5.1	10.8
STANDARD DEVIATION				0.6	25.4	20.2	32.6	21.4	21.2

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS FOR CONVENTIONAL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.0
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-14-96	MDY
AIR TEMPERATURE	58	79	½F
% REL.HUMIDITY	42	55	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
DK592	****/****	3.00/5.00	IN
05-02-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	0.50/1.00	IN
RAGWEED, COMMON	HGH/NA	HGH/13	
05-02-96	****/****	2.00/3.00	IN
RAGWEED, GIANT	HGH/NA	HGH/14	
	****/****	3.00/6.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	
	****/****	0.50/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/11	
	****/****	0.50/0.50	IN
FOXTAIL, GIANT	HGH/NA	HGH/14	
	****/****	3.00/6.00	IN

*** TIMING CODES**
09 = PRE
11 = EPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-24-96	SETFA CON % 06-24-96	AMBTR CON % 06-24-96	ABUTH CON % 06-24-96	CHEAL CON % 06-24-96	POLPY CON % 06-24-96
1A	BICEP II (6SC)	4.43	LAA	9	2	95	80	87	98	98
2A	£HARNESS XTRA 5.6L	3.85	LAA	9	2	95	78	93	98	98
3A	GUARDSMAN (5SE)	3.13	LAA	9	0	96	83	92	95	98
4A	EXTRAZINE II DF (90WG)	5.00	LAA	9	3	95	88	95	98	99
5A	SURPASS 100 (5SC)	3.75	LAA	9	0	95	82	95	98	98
6A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	5	95	68	98	99	98
7A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	5	95	77	96	98	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
8A	£BROADSTRIKE PLUS	0.26	LAA	9	5	95	65	95	98	95
B	DUAL II (7.8EC)	2.5	LAA	9						
9A	£FRONTIER 6.0L (EC)	1.36	LAA	9	7	96	85	99	99	96
B	MARKSMAN (3.2SC)	1.4	LAA	11						
10A	£FRONTIER 6.0L (EC)	1.36	LAA	9	8	95	68	95	99	96
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
11A	DUAL II (7.8EC)	2.5	LAA	9	5	95	72	95	98	87
B	£EXCEED	0.036	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
12A	DUAL II (7.8EC)	2.5	LAA	9	2	95	77	96	93	88
B	£EXCEED	0.036	LAA	11						
C	BANVEL (4SL)	0.06	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
13A	£AXIOM	0.89	LAA	9	5	95	78	96	99	95
B	£EXCEED	0.036	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
14A	£FRONTIER 6.0L (EC)	1.36	LAA	9	5	95	75	96	98	90
B	£TOUGH (5.0 EC)	0.47	LAA	11						
C	BANVEL (4SL)	0.25	LAA	11						
15A	£FRONTIER 6.0L (EC)	1.36	LAA	9	5	95	92	96	99	95
B	£TOUGH (5.0 EC)	0.7	LAA	11						
C	ATRAZINE 90DF (WG)	1.00	LAA	11						
D	£COC	1.00	PMV	11						
16A	DUAL II (7.8EC)	2.5	LAA	9	7	95	83	98	99	90
B	£LADDOK S12	1.04	LAA	11						
C	£COC	1.00	PMV	11						
17A	DUAL II (7.8EC)	2.5	LAA	9	5	95	78	95	96	90
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
18A	DUAL II (7.8EC)	2.5	LAA	9	3	95	90	95	98	93
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
19A	DUAL II (7.8EC)	2.5	LAA	9	3	95	72	95	98	85
B	£SCORPIAN III	0.21	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
20A	DUAL II (7.8EC)	2.5	LAA	9	3	95	82	95	98	83
B	£RESOURCE	0.027	LAA	11						
C	ATRAZINE 90DF (WG)	0.5	LAA	11						
D	£COC	1.00	PMV	11						
21A	HARNESS (7EC)	2.00	LAA	9	5	95	82	95	99	91
B	PERMIT (75WG)	0.031	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
22A	HARNESS (7EC)	2.00	LAA	9	5	96	75	95	96	95
B	PERMIT (75WG)	0.031	LAA	11						
C	BANVEL (4SL)	0.063	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-24-96	SETFA CON % 06-24-96	AMBTR CON % 06-24-96	ABUTH CON % 06-24-96	CHEAL CON % 06-24-96	POLPY CON % 06-24-96
23A	ACCENT (75WG)	0.031	LAA	11	8	88	82	96	99	93
	B£BUCTRIL GEL	0.25	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
24A	ACCENT (75WG)	0.031	LAA	11	3	92	78	95	88	88
	B£EXCEED	0.036	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
25A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
26A	ACCENT (75WG)	0.031	LAA	11	7	90	80	90	99	96
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
27A	ACCENT (75WG)	0.031	LAA	11	7	90	73	96	99	91
	B SENCOR DF (75WG)	0.094	LAA	11						
	C£2,4-D LVE	0.18	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
28A	ACCENT (75WG)	0.031	LAA	11	2	83	77	95	96	96
	B£SAN 1269H	0.35	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
	LSD (0.05)				6.0	3.6	8.9	4.5	4.6	7.4
	STANDARD DEVIATION				4.0	17.8	16.5	17.9	18.4	18.3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 06-24-96	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	AMBTR CON % 07-11-96	ABUTH CON % 07-11-96	CHEAL CON % 07-11-96
1A	BICEP II (6SC)	4.43	LAA	9	98	0	95	87	90	99
2A	£HARNESS XTRA 5.6L	3.85	LAA	9	99	0	93	77	95	99
3A	GUARDSMAN (5SE)	3.13	LAA	9	98	2	93	85	87	99
4A	EXTRAZINE II DF (90WG)	5.00	LAA	9	99	0	88	90	96	99
5A	SURPASS 100 (5SC)	3.75	LAA	9	99	0	95	82	90	99
6A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	99	2	95	58	98	99
7A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	98	0	96	82	99	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9						
8A	£BROADSTRIKE PLUS	0.26	LAA	9	98	0	96	53	99	99
B	DUAL II (7.8EC)	2.5	LAA	9						
9A	£FRONTIER 6.0L (EC)	1.36	LAA	9	96	0	92	93	98	99
B	MARKSMAN (3.2SC)	1.4	LAA	11						
10A	£FRONTIER 6.0L (EC)	1.36	LAA	9	99	0	82	85	93	99
B	CLARITY (4SL)	0.5	LAA	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
11A	DUAL II (7.8EC)	2.5	LAA	9	91	3	95	90	90	96
B	£EXCEED	0.036	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
12A	DUAL II (7.8EC)	2.5	LAA	9	94	0	96	92	98	99
B	£EXCEED	0.036	LAA	11						
C	BANVEL (4SL)	0.06	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						
13A	£AXIOM	0.89	LAA	9	96	2	87	92	95	99
B	£EXCEED	0.036	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
14A	£FRONTIER 6.0L (EC)	1.36	LAA	9	96	2	90	82	99	98
B	£TOUGH (5.0 EC)	0.47	LAA	11						
C	BANVEL (4SL)	0.25	LAA	11						
15A	£FRONTIER 6.0L (EC)	1.36	LAA	9	99	0	95	88	98	99
B	£TOUGH (5.0 EC)	0.7	LAA	11						
C	ATRAZINE 90DF (WG)	1.00	LAA	11						
D	£COC	1.00	PMV	11						
16A	DUAL II (7.8EC)	2.5	LAA	9	99	0	93	83	98	99
B	£LADDOK S12	1.04	LAA	11						
C	£COC	1.00	PMV	11						
17A	DUAL II (7.8EC)	2.5	LAA	9	98	3	90	70	90	99
B	BUCTRIL GEL (4EC)	0.25	LAA	11						
18A	DUAL II (7.8EC)	2.5	LAA	9	98	0	92	82	93	99
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
19A	DUAL II (7.8EC)	2.5	LAA	9	91	0	95	87	99	99
B	£SCORPIAN III	0.21	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
20A	DUAL II (7.8EC)	2.5	LAA	9	98	0	95	70	92	99
B	£RESOURCE	0.027	LAA	11						
C	ATRAZINE 90DF (WG)	0.5	LAA	11						
D	£COC	1.00	PMV	11						
21A	HARNESS (7EC)	2.00	LAA	9	94	0	90	82	88	96
B	PERMIT (75WG)	0.031	LAA	11						
C	£ACTIVATE PLUS	0.25	PMV	11						
22A	HARNESS (7EC)	2.00	LAA	9	99	3	95	88	99	99
B	PERMIT (75WG)	0.031	LAA	11						
C	BANVEL (4SL)	0.063	LAA	11						
D	£ACTIVATE PLUS	0.25	PMV	11						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 06-24-96	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	AMBTR CON % 07-11-96	ABUTH CON % 07-11-96	CHEAL CON % 07-11-96
23A	ACCENT (75WG)	0.031	LAA	11	95	0	87	57	92	99
	B£BUCTRIL GEL	0.25	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
24A	ACCENT (75WG)	0.031	LAA	11	96	0	95	95	93	99
	B£EXCEED	0.036	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
25A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
26A	ACCENT (75WG)	0.031	LAA	11	99	0	92	67	87	99
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
27A	ACCENT (75WG)	0.031	LAA	11	96	0	90	82	96	99
	B SENCOR DF (75WG)	0.094	LAA	11						
	C£2,4-D LVE	0.18	LAA	11						
	D£ACTIVATE PLUS	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
28A	ACCENT (75WG)	0.031	LAA	11	99	0	78	90	99	99
	B£SAN 1269H	0.35	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
	LSD (0.05)				6.9	3.1	6.4	14.9	6.4	1.9
	STANDARD DEVIATION				18.5	2.0	17.9	20.0	18.3	18.4

TRIAL # US 608/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-11-96
1A	BICEP II (6SC)	4.43	LAA	9	99
2A	£HARNESS XTRA 5.6L	3.85	LAA	9	99
3A	GUARDSMAN (5SE)	3.13	LAA	9	99
4A	EXTRAZINE II DF (90WG)	5.00	LAA	9	99
5A	SURPASS 100 (5SC)	3.75	LAA	9	99
6A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	96
7A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	99
B	ATRAZINE 90DF (WG)	1.25	LAA	9	
8A	£BROADSTRIKE PLUS	0.26	LAA	9	98
B	DUAL II (7.8EC)	2.5	LAA	9	
9A	£FRONTIER 6.0L (EC)	1.36	LAA	9	98
B	MARKSMAN (3.2SC)	1.4	LAA	11	
10A	£FRONTIER 6.0L (EC)	1.36	LAA	9	99
B	CLARITY (4SL)	0.5	LAA	11	
C	FERTILIZER - 28%UAN	2.5	PMV	11	
11A	DUAL II (7.8EC)	2.5	LAA	9	99
B	£EXCEED	0.036	LAA	11	
C	£ACTIVATE PLUS	0.25	PMV	11	
12A	DUAL II (7.8EC)	2.5	LAA	9	98
B	£EXCEED	0.036	LAA	11	
C	BANVEL (4SL)	0.06	LAA	11	
D	£ACTIVATE PLUS	0.25	PMV	11	
13A	£AXIOM	0.89	LAA	9	99
B	£EXCEED	0.036	LAA	11	
C	£ACTIVATE PLUS	0.25	PMV	11	
14A	£FRONTIER 6.0L (EC)	1.36	LAA	9	93
B	£TOUGH (5.0 EC)	0.47	LAA	11	
C	BANVEL (4SL)	0.25	LAA	11	
15A	£FRONTIER 6.0L (EC)	1.36	LAA	9	99
B	£TOUGH (5.0 EC)	0.7	LAA	11	
C	ATRAZINE 90DF (WG)	1.00	LAA	11	
D	£COC	1.00	PMV	11	
16A	DUAL II (7.8EC)	2.5	LAA	9	98
B	£LADDOK S12	1.04	LAA	11	
C	£COC	1.00	PMV	11	
17A	DUAL II (7.8EC)	2.5	LAA	9	87
B	BUCTRIL GEL (4EC)	0.25	LAA	11	
18A	DUAL II (7.8EC)	2.5	LAA	9	98
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	
19A	DUAL II (7.8EC)	2.5	LAA	9	90
B	£SCORPIAN III	0.21	LAA	11	
C	£ACTIVATE PLUS	0.25	PMV	11	
D	FERTILIZER - 28%UAN	2.5	PMV	11	
20A	DUAL II (7.8EC)	2.5	LAA	9	75
B	£RESOURCE	0.027	LAA	11	
C	ATRAZINE 90DF (WG)	0.5	LAA	11	
D	£COC	1.00	PMV	11	
21A	HARNESS (7EC)	2.00	LAA	9	91
B	PERMIT (75WG)	0.031	LAA	11	
C	£ACTIVATE PLUS	0.25	PMV	11	
22A	HARNESS (7EC)	2.00	LAA	9	88
B	PERMIT (75WG)	0.031	LAA	11	
C	BANVEL (4SL)	0.063	LAA	11	
D	£ACTIVATE PLUS	0.25	PMV	11	

TRIAL # US 608/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-11-96
23A	ACCENT (75WG)	0.031	LAA	11	98
	B£BUCTRIL GEL	0.25	LAA	11	
	C£ACTIVATE PLUS	0.25	PMV	11	
	D FERTILIZER - 28%UAN	2.5	PMV	11	
24A	ACCENT (75WG)	0.031	LAA	11	98
	B£EXCEED	0.036	LAA	11	
	C£ACTIVATE PLUS	0.25	PMV	11	
	D FERTILIZER - 28%UAN	2.5	PMV	11	
25A	UNTREATED CHECK	0.00	NA	0	0
26A	ACCENT (75WG)	0.031	LAA	11	95
	B BUCTRIL + ATRAZINE (3SC)	0.75	LAA	11	
	C£ACTIVATE PLUS	0.25	PMV	11	
	D FERTILIZER - 28%UAN	2.5	PMV	11	
27A	ACCENT (75WG)	0.031	LAA	11	95
	B SENCOR DF (75WG)	0.094	LAA	11	
	C£2,4-D LVE	0.18	LAA	11	
	D£ACTIVATE PLUS	0.25	PMV	11	
	E FERTILIZER - 28%UAN	2.5	PMV	11	
28A	ACCENT (75WG)	0.031	LAA	11	99
	B£SAN 1269H	0.35	LAA	11	
	C£ACTIVATE PLUS	0.25	PMV	11	
	D FERTILIZER - 28%UAN	2.5	PMV	11	
		LSD (0.05)			7.4
		STANDARD DEVIATION			18.9

£ = SUPPLEMENTAL CHEMICAL

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	07	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	65	½F
% REL.HUMIDITY	24	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/00	
DK592	****/****	IN
05-02-96		
*** PEST ***		
VELVETLEAF	HGH/00	
	****/****	IN
RAGWEED, COMMON	HGH/00	
	****/****	IN
LAMBSQUARTERS, C	HGH/00	
	****/****	IN
SMARTWEED, PENNS	HGH/00	
	****/****	IN
FOXTAIL, GIANT	HGH/00	
	****/****	IN
*** PEST ***		
FOXTAIL, GIANT	HGH/00	
	****/****	IN

*** TIMING CODES**
07 = PPI

*** STAGE CODE**
00 = DRY SEED (DORMANT)

TRIAL # US 609/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-13-96	SETFA CON % 06-13-96	ABUTH CON % 06-13-96	AMBEL CON % 06-13-96	POLPY CON % 06-13-96
1A	DUAL II (7.8EC)	2.5	LAA	7	0	87	0	58	68
2A	DUAL II (7.8EC)	3.00	LAA	7	0	85	13	43	68
3A£	DUAL II MAGNUM	1.6	LAA	7	2	85	0	60	70
4A£	DUAL II MAGNUM	1.9	LAA	7	0	92	17	70	90
5A£	FRONTIER 6.0L (EC)	1.36	LAA	7	0	87	63	80	88
6A	SURPASS (6.4EC)	2.00	LAA	7	0	90	70	90	96
7A£	AXIOM	0.85	LAA	7	3	90	63	80	77
8A£	AXIOM	1.02	LAA	7	0	88	67	75	92
9A	BICEP II (6SC)	4.43	LAA	7	0	93	72	95	98
10A	SURPASS 100 (5SC)	3.75	LAA	7	0	90	88	95	96
11A£	GUARDSMAN	3.13	LAA	7	0	88	85	93	96
12A£	HARNESS XTRA 5.6L	3.82	LAA	7	0	92	77	83	95
13A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
14A£	AXIOM	0.85	LAA	7	0	93	82	86	99
B	ATRAZINE 90DF (WG)	2.00	LAA	7					
15A£	AXIOM	0.85	LAA	7	0	87	67	78	90
B£	BROADSTRIKE PLUS	0.26	LAA	7					
16A£	DOUBLEPLAY	4.38	LAA	7	3	88	68	80	90
B	ATRAZINE 90DF (WG)	1.6	LAA	7					
17A£	TOPNOTCH	2.00	LAA	7	2	93	80	91	95
B	ATRAZINE 90DF (WG)	1.6	LAA	7					
18A£	ICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	0	88	62	80	93
19A£	ICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	0	88	55	82	93
20A£	BROADSTRIKE+DUAL	2.4	LAA	7	0	82	73	91	95
21A£	BROADSTRIKE+DUAL	2.4	LAA	7	0	90	68	98	98
B	ATRAZINE 90DF (WG)	1.25	LAA	7					
	LSD (0.05)				2.1	9.2	21.0	19.7	15.4
	STANDARD DEVIATION				1.5	19.7	31.4	23.7	22.6

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-13-96	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	AMBEL CON % 07-11-96	AMBTR CON % 07-11-96	POLPY CON % 07-11-96
1A	DUAL II (7.8EC)	2.5	LAA	7	90	0	87	58	96	55
2A	DUAL II (7.8EC)	3.00	LAA	7	87	0	87	48	99	68
3A£	DUAL II MAGNUM	1.6	LAA	7	90	0	83	60	99	68
4A£	DUAL II MAGNUM	1.9	LAA	7	93	2	90	62	99	88
5A£	FRONTIER 6.0L (EC)	1.36	LAA	7	98	5	80	67	83	81
6A	SURPASS (6.4EC)	2.00	LAA	7	99	0	73	80	89	93
7A£	AXIOM	0.85	LAA	7	99	5	87	70	93	83
8A£	AXIOM	1.02	LAA	7	99	7	88	62	65	88
9A	BICEP II (6SC)	4.43	LAA	7	99	2	92	98	99	99
10A	SURPASS 100 (5SC)	3.75	LAA	7	99	5	85	96	99	96
11A£	GUARDSMAN	3.13	LAA	7	99	2	87	98	99	98
12A£	HARNESS XTRA 5.6L	3.82	LAA	7	99	3	83	93	94	96
13A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
14A£	AXIOM	0.85	LAA	7	99	0	93	99	96	98
B	ATRAZINE 90DF (WG)	2.00	LAA	7						
15A£	AXIOM	0.85	LAA	7	98	2	78	78	89	93
B£	BROADSTRIKE PLUS	0.26	LAA	7						
16A£	DOUBLEPLAY	4.38	LAA	7	99	2	78	82	99	93
B	ATRAZINE 90DF (WG)	1.6	LAA	7						
17A£	TOPNOTCH	2.00	LAA	7	99	8	88	93	94	93
B	ATRAZINE 90DF (WG)	1.6	LAA	7						
18A£	ICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	99	3	75	85	99	90
19A£	ICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	99	2	85	77	96	92
20A£	BROADSTRIKE+DUAL	2.4	LAA	7	99	2	82	83	96	92
21A£	BROADSTRIKE+DUAL	2.4	LAA	7	99	2	85	96	96	98
B	ATRAZINE 90DF (WG)	1.25	LAA	7						
	LSD (0.05)				7.3	3.5	10.5	21.0	20.3	17.7
	STANDARD DEVIATION				21.3	2.9	19.4	25.0	23.6	23.5

TRIAL # US 609/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-11-96
1A	DUAL II (7.8EC)	2.5	LAA	7	0
2A	DUAL II (7.8EC)	3.00	LAA	7	0
3A£	DUAL II MAGNUM	1.6	LAA	7	0
4A£	DUAL II MAGNUM	1.9	LAA	7	0
5A£	FRONTIER 6.0L (EC)	1.36	LAA	7	60
6A	SURPASS (6.4EC)	2.00	LAA	7	67
7A£	AXIOM	0.85	LAA	7	72
8A£	AXIOM	1.02	LAA	7	77
9A	BICEP II (6SC)	4.43	LAA	7	68
10A	SURPASS 100 (5SC)	3.75	LAA	7	82
11A£	GUARDSMAN	3.13	LAA	7	77
12A£	HARNESS XTRA 5.6L	3.82	LAA	7	73
13A	UNTREATED CHECK	0.00	NA	0	0
14A£	AXIOM	0.85	LAA	7	91
B	ATRAZINE 90DF (WG)	2.00	LAA	7	
15A£	AXIOM	0.85	LAA	7	86
B£	BROADSTRIKE PLUS	0.26	LAA	7	
16A£	DOUBLEPLAY	4.38	LAA	7	60
B	ATRAZINE 90DF (WG)	1.6	LAA	7	
17A£	TOPNOTCH	2.00	LAA	7	65
B	ATRAZINE 90DF (WG)	1.6	LAA	7	
18A£	ICIA 5676/ATRAZINE (4SC)	3.00	LAA	7	67
19A£	ICIA 5676/ATRAZINE (4SC)	3.3	LAA	7	53
20A£	BROADSTRIKE+DUAL	2.4	LAA	7	85
21A£	BROADSTRIKE+DUAL	2.4	LAA	7	91
B	ATRAZINE 90DF (WG)	1.25	LAA	7	
		LSD (0.05)			21.4
		STANDARD DEVIATION			34.6

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-20-96	MDY
AIR TEMPERATURE	79	72	½F
% REL.HUMIDITY	57	75	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	3.0	3.0	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/14	HGH/15	
DK 592	4.00/6.00	6.00/8.00	IN
05-02-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/13	
	0.50/1.00	1.00/3.00	IN
RAGWEED, COMMON	HGH/13	HGH/14	
	1.00/3.00	2.00/6.00	IN
RAGWEED, GIANT	HGH/13	HGH/15	
	3.00/5.00	4.00/12.0	IN
LAMBSQUARTERS, C	HGH/12	HGH/14	
	0.50/1.00	1.00/3.00	IN
SMARTWEED, PENNS	HGH/11	HGH/13	
	1.00/2.00	2.00/6.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application Poast Plus 0.188 lb 6-10-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	AMBTR CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	POLPY CON % 07-01-96
1A£	SCORPIAN III	0.21	LAA	11	0	99	97	99	99	99
B£	ACTIVATE PLUS	0.25	PMV	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
2A£	BROADSTRIKE PLUS	0.09	LAA	11	0	98	97	95	99	99
B£	ACTIVATE PLUS	0.25	PMV	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
3A£	BROADSTRIKE PLUS	0.17	LAA	11	0	99	99	98	99	99
B£	ACTIVATE PLUS	0.25	PMV	11						
C	FERTILIZER - 28%UAN	2.5	PMV	11						
4A	MARKSMAN (3.2SC)	1.4	LAA	11	0	99	99	99	99	99
5A	CLARITY (4SL)	0.5	LAA	11	0	98	99	99	99	99
B	FERTILIZER - 28%UAN	2.5	PMV	11						
6A£	TOUGH (5.0 EC)	0.7	LAA	11	0	87	96	99	71	83
B	ATRAZINE 90DF (WG)	1.00	LAA	11						
C£	COC	1.00	PMV	11						
7A£	SAN 1269H	0.236	LAA	11	0	95	99	99	95	99
B£	ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	1.25	LAA	11						
8A£	SAN 1269H	0.35	LAA	11	0	99	99	98	99	99
B£	ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
9A£	EXCEED	0.036	LAA	12	0	99	99	98	99	98
B£	COC	1.00	PMV	12						
10A£	EXCEED	0.036	LAA	12	0	99	99	99	99	97
B	BANVEL (4SL)	0.063	LAA	12						
C£	COC	1.00	PMV	12						
11A£	EXCEED	0.036	LAA	12	0	99	99	99	98	99
B	BANVEL (4SL)	0.125	LAA	12						
C£	COC	1.00	PMV	12						
12A£	PERMIT	0.031	LAA	12	0	98	99	10	97	99
B£	COC	1.00	PMV	12						
13A	PERMIT (75WG)	0.031	LAA	12	0	99	99	98	98	98
B	BANVEL (4SL)	0.063	LAA	12						
C£	COC	1.00	PMV	12						
14A	PERMIT (75WG)	0.031	LAA	12	0	99	99	99	98	98
B	BANVEL (4SL)	0.125	LAA	12						
C£	COC	1.00	PMV	12						
15A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	0	96	98	99	94	93
16A£	BROADSTRIKE PLUS	0.09	LAA	12	0	97	97	99	99	99
B£	ACTIVATE PLUS	0.25	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
17A£	BROADSTRIKE PLUS	0.17	LAA	12	0	98	97	99	99	99
B£	ACTIVATE PLUS	0.25	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
18A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
19A£	SAN 1269H	0.175	LAA	12	0	99	99	99	99	99
B£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	1.25	LAA	12						
20A£	SAN 1269H	0.263	LAA	12	0	99	99	99	99	99
B£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	1.25	LAA	12						
21A	SENCOR DF (75WG)	0.094	LAA	11	0	93	95	99	83	90
B£	2,4-D LVE	0.18	LAA	11						
22A	LADDOK S-12 (5SC)	1.04	LAA	12	0	98	99	99	97	99
B£	COC	1.00	PMV	12						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	AMBTR CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	POLPY CON % 07-01-96
23A	SENCOR DF (75WG)	0.094	LAA	11	0	97	96	96	96	96
B	MARKSMAN (3.2SC)	0.8	LAA	11						
24A	SENCOR DF (75WG)	0.094	LAA	12	0	98	98	98	98	99
	BEBUCTRIL GEL	0.25	LAA	12						
	LSD (0.05)				0.0	3.6	3.0	2.6	9.2	5.3
	STANDARD DEVIATION				0.0	19.8	19.7	25.9	20.7	20.0

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-23-96	AMBTR CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
1A	£SCORPIAN III	0.21	LAA	11	2	98	98	99	98
	B£ACTIVATE PLUS	0.25	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
2A	£BROADSTRIKE PLUS	0.09	LAA	11	8	93	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
3A	£BROADSTRIKE PLUS	0.17	LAA	11	0	97	99	98	99
	B£ACTIVATE PLUS	0.25	PMV	11					
	C FERTILIZER - 28%UAN	2.5	PMV	11					
4A	MARKSMAN (3.2SC)	1.4	LAA	11	5	99	99	99	99
5A	CLARITY (4SL)	0.5	LAA	11	2	98	98	99	99
	B FERTILIZER - 28%UAN	2.5	PMV	11					
6A	£TOUGH (5.0 EC)	0.7	LAA	11	2	93	95	99	93
	B ATRAZINE 90DF (WG)	1.00	LAA	11					
	C£COC	1.00	PMV	11					
7A	£SAN 1269H	0.236	LAA	11	2	95	99	99	98
	B£ACTIVATE PLUS	0.25	PMV	11					
	D FERTILIZER - 28%UAN	1.25	LAA	11					
8A	£SAN 1269H	0.35	LAA	11	0	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	11					
	D FERTILIZER - 28%UAN	1.25	PMV	11					
9A	£EXCEED	0.036	LAA	12	2	96	98	97	99
	B£COC	1.00	PMV	12					
10A	£EXCEED	0.036	LAA	12	3	99	95	99	98
	B BANVEL (4SL)	0.063	LAA	12					
	C£COC	1.00	PMV	12					
11A	£EXCEED	0.036	LAA	12	5	99	99	99	98
	B BANVEL (4SL)	0.125	LAA	12					
	C£COC	1.00	PMV	12					
12A	£PERMIT	0.031	LAA	12	5	91	88	73	77
	B£COC	1.00	PMV	12					
13A	PERMIT (75WG)	0.031	LAA	12	0	99	98	97	95
	B BANVEL (4SL)	0.063	LAA	12					
	C£COC	1.00	PMV	12					
14A	PERMIT (75WG)	0.031	LAA	12	3	95	98	98	96
	B BANVEL (4SL)	0.125	LAA	12					
	C£COC	1.00	PMV	12					
15A	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12	5	95	88	99	96
16A	£BROADSTRIKE PLUS	0.09	LAA	12	7	95	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
17A	£BROADSTRIKE PLUS	0.17	LAA	12	10	93	99	98	99
	B£ACTIVATE PLUS	0.25	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
18A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
19A	£SAN 1269H	0.175	LAA	12	7	99	98	99	99
	B£ACTIVATE PLUS	0.25	PMV	12					
	D FERTILIZER - 28%UAN	1.25	LAA	12					
20A	£SAN 1269H	0.263	LAA	12	7	99	99	99	99
	B£ACTIVATE PLUS	0.25	PMV	12					
	D FERTILIZER - 28%UAN	1.25	LAA	12					
21A	SENCOR DF (75WG)	0.094	LAA	11	0	90	99	99	93
	B£2,4-D LVE	0.18	LAA	11					
22A	LADDOK S-12 (5SC)	1.04	LAA	12	3	83	99	99	98
	B£COC	1.00	PMV	12					

TRT NUM	COMPOUND	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-23-96	AMBTR CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
23A	SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	99
B	MARKSMAN (3.2SC)	0.8	LAA	11					
24A	SENCOR DF (75WG)	0.094	LAA	12	3	94	99	99	99
B£	BUCTRIL GEL	0.25	LAA	12					
	LSD (0.05)				4.6	6.6	3.7	2.4	2.2
	STANDARD DEVIATION				3.6	19.7	19.8	20.2	19.9

£ = SUPPLEMENTAL CHEMICAL

 RESOURCE/CLARITY COMBINATIONS FOR VELVETLEAF CONTROL IN CORN

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.0
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-20-96	MDY
AIR TEMPERATURE	79	85	½F
% REL.HUMIDITY	55	61	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	3.0	12.5	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/14	HGH/15	
DK 592	****/****	****/****	IN
05-02-96			
*** PEST ***			
VELVETLEAF	HGH/12	HGH/12	
	1.00/2.00	1.00/4.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/14	
	1.00/2.00	2.00/5.00	IN
SMARTWEED, PENNS	HGH/12	HGH/14	
	1.50/2.00	3.00/3.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application Poast Plus 0.188 lb 6-10-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	POLPY CON % 07-01-96	ZEAMD CON % 07-23-96
1A	£RESOURCE	0.027	LAA	11	0	92	83	90	88	0
	B£COC	0.5	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
2A	£RESOURCE	0.013	LAA	11	0	43	93	95	93	0
	B£COC	0.5	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
3A	CLARITY (4SL)	0.25	LAA	11	0	99	99	95	99	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
4A	CLARITY (4SL)	0.125	LAA	11	0	99	99	93	99	0
	B£ACTIVATE PLUS	0.25	PMV	11						
5A	CLARITY (4SL)	0.063	LAA	11	0	99	99	96	99	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
6A	£RESOURCE	0.027	LAA	11	0	99	99	93	92	0
	B CLARITY (4SL)	0.125	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
7A	£RESOURCE	0.027	LAA	11	0	99	99	93	93	0
	B CLARITY (4SL)	0.063	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
8A	£RESOURCE	0.013	LAA	11	0	96	99	92	99	0
	B CLARITY (4SL)	0.125	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
9A	£RESOURCE	0.013	LAA	11	0	99	99	95	85	0
	B CLARITY (4SL)	0.063	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
10A	MARKSMAN (3.2SC)	1.4	LAA	11	0	99	99	98	99	0
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12A	£RESOURCE	0.027	LAA	12	8	94	96	93	96	0
	B£COC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
13A	£RESOURCE	0.013	LAA	12	3	86	88	87	63	0
	B£COC	0.5	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
14A	CLARITY (4SL)	0.25	LAA	12	0	98	99	98	99	2
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
15A	CLARITY (4SL)	0.125	LAA	12	0	98	99	96	99	3
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
16A	CLARITY (4SL)	0.063	LAA	12	0	99	99	96	98	3
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
17A	£RESOURCE	0.027	LAA	12	7	99	99	99	99	0
	B CLARITY (4SL)	0.125	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
18A	£RESOURCE	0.027	LAA	12	10	99	99	99	98	0
	B CLARITY (4SL)	0.063	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
19A	£RESOURCE	0.013	LAA	12	3	99	99	99	99	0
	B CLARITY (4SL)	0.125	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	AMBEL CON % 07-01-96	CHEAL CON % 07-01-96	ABUTH CON % 07-01-96	POLPY CON % 07-01-96	ZEAMD CON % 07-23-96
20A£RESOURCE	0.013	LAA	12	5	99	99	98	98	0
B CLARITY (4SL)	0.063	LAA	12						
C£ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
21A£RESOURCE	0.054	LAA	12	10	80	88	88	91	0
B£COC	0.5	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
22A£ACTION	0.0035	LAA	12	2	63	78	99	43	0
B£COC	0.5	PMV	12						
C FERTILIZER - 28%UAN	2.5	PMV	12						
24A£ACTION	0.0045	LAA	12	0	99	99	99	99	0
B CLARITY (4SL)	0.125	LAA	12						
C£ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
25A£F8426	0.015	LAA	12	8	37	96	96	98	0
B£ACTIVATE PLUS	0.25	PMV	12						
26A£F8426	0.023	LAA	12	10	93	97	99	99	0
B£ACTIVATE PLUS	0.25	PMV	12						
27A£F8426	0.031	LAA	12	10	88	99	99	83	0
B£ACTIVATE PLUS	0.25	PMV	12						
28A£F8426	0.031	LAA	12	10	99	99	99	99	0
B CLARITY (4SL)	0.125	LAA	12						
C£ACTIVATE PLUS	0.25	PMV	12						
D FERTILIZER - 28%UAN	2.5	PMV	12						
LSD (0.05)				2.3	8.5	4.5	4.7	7.2	2.6
STANDARD DEVIATION				4.3	28.6	25.4	25.0	26.9	1.6

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
1A	ÆRESOURCE	0.027	LAA	11	92	83	92	95
	BÆCOC	0.5	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
2A	ÆRESOURCE	0.013	LAA	11	79	99	99	96
	BÆCOC	0.5	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
3A	CLARITY (4SL)	0.25	LAA	11	99	97	99	95
	BÆACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
4A	CLARITY (4SL)	0.125	LAA	11	99	92	99	99
	BÆACTIVATE PLUS	0.25	PMV	11				
5A	CLARITY (4SL)	0.063	LAA	11	99	90	96	99
	BÆACTIVATE PLUS	0.25	PMV	11				
	C FERTILIZER - 28%UAN	2.5	PMV	11				
6A	ÆRESOURCE	0.027	LAA	11	99	96	98	94
	B CLARITY (4SL)	0.125	LAA	11				
	CÆACTIVATE PLUS	0.25	PMV	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
7A	ÆRESOURCE	0.027	LAA	11	99	95	98	91
	B CLARITY (4SL)	0.063	LAA	11				
	CÆACTIVATE PLUS	0.25	PMV	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
8A	ÆRESOURCE	0.013	LAA	11	98	96	99	99
	B CLARITY (4SL)	0.125	LAA	11				
	CÆACTIVATE PLUS	0.25	PMV	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
9A	ÆRESOURCE	0.013	LAA	11	99	96	98	88
	B CLARITY (4SL)	0.063	LAA	11				
	CÆACTIVATE PLUS	0.25	PMV	11				
	D FERTILIZER - 28%UAN	2.5	PMV	11				
10A	MARKSMAN (3.2SC)	1.4	LAA	11	99	99	99	99
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
12A	ÆRESOURCE	0.027	LAA	12	90	96	88	82
	BÆCOC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
13A	ÆRESOURCE	0.013	LAA	12	82	92	82	80
	BÆCOC	0.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
14A	CLARITY (4SL)	0.25	LAA	12	99	96	99	99
	BÆACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
15A	CLARITY (4SL)	0.125	LAA	12	99	92	96	98
	BÆACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
16A	CLARITY (4SL)	0.063	LAA	12	96	90	90	93
	BÆACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
17A	ÆRESOURCE	0.027	LAA	12	99	98	97	98
	B CLARITY (4SL)	0.125	LAA	12				
	CÆACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
18A	ÆRESOURCE	0.027	LAA	12	98	99	99	96
	B CLARITY (4SL)	0.063	LAA	12				
	CÆACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
19A	ÆRESOURCE	0.013	LAA	12	96	98	99	93
	B CLARITY (4SL)	0.125	LAA	12				
	CÆACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				

TRIAL # US 611/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	AMBEL CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
20A£RESOURCE	0.013	LAA	12	99	96	99	95
B CLARITY (4SL)	0.063	LAA	12				
C£ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
21A£RESOURCE	0.054	LAA	12	93	99	96	94
B£COC	0.5	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
22A£ACTION	0.0035	LAA	12	91	99	88	96
B£COC	0.5	PMV	12				
C FERTILIZER - 28%UAN	2.5	PMV	12				
24A£ACTION	0.0045	LAA	12	98	93	89	99
B CLARITY (4SL)	0.125	LAA	12				
C£ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
25A£F8426	0.015	LAA	12	88	92	88	96
B£ACTIVATE PLUS	0.25	PMV	12				
26A£F8426	0.023	LAA	12	99	99	96	98
B£ACTIVATE PLUS	0.25	PMV	12				
27A£F8426	0.031	LAA	12	90	99	96	91
B£ACTIVATE PLUS	0.25	PMV	12				
28A£F8426	0.031	LAA	12	99	99	99	96
B CLARITY (4SL)	0.125	LAA	12				
C£ACTIVATE PLUS	0.25	PMV	12				
D FERTILIZER - 28%UAN	2.5	PMV	12				
LSD (0.05)				13.1	5.8	7.0	7.0
STANDARD DEVIATION				25.9	25.0	25.2	25.1

£ = SUPPLEMENTAL CHEMICAL

 COMPARISON OF CHLOROACETAMIDE HERBICIDES IN CONVENTIONAL CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-02-96	MDY
AIR TEMPERATURE	62	½F
% REL.HUMIDITY	27	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT DK592 05-02-96	HGH/00 ****/****	IN
*** PEST ***		
FOXTAIL, GIANT	HGH/00 ****/****	IN

*** TIMING CODES**
09 = PRE

*** STAGE CODE**
00 = DRY SEED (DORMANT)

Blanket application 0.5 lb Clarity 6-15-96

TRIAL # US 612/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-13-96	SETFA CON % 06-13-96	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	YIELD BU/A 11-02-96
1A	DUAL II (7.8EC)	2.5	LAA	9	2	99	0	99	163.7
2A	DUAL II (7.8EC)	5.00	LAA	9	2	99	0	99	145.8
3A£	DUAL II MAGNUM	1.56	LAA	9	0	99	0	99	142.9
4A£	DUAL II MAGNUM	3.12	LAA	9	0	99	0	99	162.0
5A£	TOPNOTCH	2.00	LAA	9	0	99	0	99	149.9
6A£	TOPNOTCH	4.00	LAA	9	0	99	0	99	164.5
7A	HARNESS (7EC)	2.00	LAA	9	0	99	0	98	172.6
8A	HARNESS (7EC)	4.00	LAA	9	0	99	0	99	175.6
9A£	FRONTIER 6.0L (EC)	1.36	LAA	9	2	99	0	99	174.0
10A£	FRONTIER 6.0L (EC)	2.72	LAA	9	2	99	0	99	160.1
11A£	AXIOM	0.94	LAA	9	0	98	0	99	163.8
12A£	AXIOM	1.88	LAA	9	0	98	0	99	155.0
13A£	DUAL II MAGNUM	0.78	LAA	9	0	99	0	99	155.4
B£	FRONTIER 6.0L (EC)	0.68	LAA	9					
14A£	DUAL II MAGNUM	0.78	LAA	9	0	99	0	99	169.9
B	HARNESS (7EC)	1.00	LAA	9					
15A£	HAND WEEDED	0.00	NA	0	0	99	0	99	167.6
16A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	149.6
	LSD (0.05)				2.2	1.4	0.0	1.0	29.7
	STANDARD DEVIATION				1.4	23.9	0.0	23.9	18.0

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE VS. POSTEMERGENCE GRASS WEED CONTROL
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-05-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	62	75	84	85	½F
% REL.HUMIDITY	27	58	50	58	
WIND DIRECTION	SOUTHWEST	NORTHEAST	SOUTHWEST	NORTHWEST	
WIND SPEED	10.0	6.0	3.0	7.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	FRIABLE	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
CORN, DENT	HGH/00	HGH/11	HGH/12	HGH/14	
DK592	****/****	1.00/2.00	2.00/3.00	5.00/7.00	IN
05-02-96					
*** PEST ***					
VELVETLEAF	HGH/00	HGH/10	HGH/11	HGH/13	
	****/****	0.25/0.50	1.00/1.00	0.50/3.00	IN
PIGWEED, REDROOT	HGH/00	HGH/08	HGH/11	HGH/13	
	****/****	0.00/0.00	0.25/0.50	0.50/3.00	IN
FOXTAIL, GIANT	HGH/00	HGH/11	HGH/12	HGH/13	
	****/****	1.00/1.50	1.00/2.00	2.00/6.00	IN

*** TIMING CODES**
09 = PRE
10 = VEPOST
11 = EPOST
12 = POST

*** STAGE CODE**
00 = DRY SEED (DORMANT)
08 = SHOOT DEVELOPMENT
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 613/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-11-96	SETFA CON % 07-11-96	ABUTH CON % 07-11-96	AMARE CON % 07-11-96	ZEAMD CON % 07-23-96	SETFA CON % 07-23-96
1A	DUAL II (7.8EC)	2.19	LAA	9	0	97	88	99	0	95
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
2A	BASIS (75WG)	0.016	LAA	10	0	99	92	99	0	93
B	£COC	1.00	PMV	10						
C	FERTILIZER - 28%UAN	2.5	PMV	10						
D	£CULTIVATION-14DAT	0.00	NA	0						
3A	BASIS (75WG)	0.016	LAA	10	0	98	88	99	0	90
B	ATRAZINE 90DF (WG)	0.75	LAA	10						
C	£COC	1.00	PMV	10						
D	FERTILIZER - 28%UAN	2.5	PMV	10						
E	£CULTIVATION-14DAT	0.00	NA	0						
4A	BASIS (75WG)	0.016	LAA	10	0	96	92	99	0	88
B	BANVEL (4SL)	0.063	LAA	10						
C	£COC	1.00	PMV	10						
D	FERTILIZER - 28%UAN	2.5	PMV	10						
E	£CULTIVATION-14DAT	0.00	NA	0						
5A	£DPX-79406	0.023	LAA	11	0	98	96	99	0	93
B	ATRAZINE 90DF (WG)	0.75	LAA	11						
C	£COC	1.00	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
6A	ACCENT (75WG)	0.031	LAA	12	0	82	68	85	0	88
B	BUCTRIL (2EC)	0.25	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	£HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	3.3	5.1	3.1	0.0	5.9
	STANDARD DEVIATION				0.0	32.1	30.8	32.4	0.0	30.9

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	AMARE CON % 07-23-96
1A	DUAL II (7.8EC)	2.19	LAA	9	87	99
B	BUCTRIL + ATRAZINE (3SC)	0.75	LAA	12		
C	FERTILIZER - 28%UAN	2.5	PMV	12		
2A	BASIS (75WG)	0.016	LAA	10	87	98
B£	COC	1.00	PMV	10		
C	FERTILIZER - 28%UAN	2.5	PMV	10		
D£	CULTIVATION-14DAT	0.00	NA	0		
3A	BASIS (75WG)	0.016	LAA	10	85	99
B	ATRAZINE 90DF (WG)	0.75	LAA	10		
C£	COC	1.00	PMV	10		
D	FERTILIZER - 28%UAN	2.5	PMV	10		
E£	CULTIVATION-14DAT	0.00	NA	0		
4A	BASIS (75WG)	0.016	LAA	10	85	95
B	BANVEL (4SL)	0.063	LAA	10		
C£	COC	1.00	PMV	10		
D	FERTILIZER - 28%UAN	2.5	PMV	10		
E£	CULTIVATION-14DAT	0.00	NA	0		
5A£	DPX-79406	0.023	LAA	11	95	99
B	ATRAZINE 90DF (WG)	0.75	LAA	11		
C£	COC	1.00	PMV	11		
D	FERTILIZER - 28%UAN	2.5	PMV	11		
6A	ACCENT (75WG)	0.031	LAA	12	65	98
B	BUCTRIL (2EC)	0.25	LAA	12		
C£	ACTIVATE PLUS	0.25	PMV	12		
D	FERTILIZER - 28%UAN	2.5	PMV	12		
7A£	HAND WEEDED	0.00	NA	0	99	99
8A	UNTREATED CHECK	0.00	NA	0	0	0
	LSD (0.05)				8.7	3.6
	STANDARD DEVIATION				30.2	32.5

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL SYSTEMS IN POAST COMPATIBLE CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-05-96	06-14-96	06-20-96	07-01-96	MDY
AIR TEMPERATURE	63	75	86	84	90	½F
% REL.HUMIDITY	27	38	47	58	28	
WIND DIRECTION	SOUTHWEST	NORTHEAST	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	10.0	6.0	3.0	7.0	10.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	PARTCLDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	CLODDY	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
CORN, DENT	HGH/NA	HGH/11	HGH/12	HGH/14	HGH/16	
DK592	****/****	2.00/3.00	2.00/4.00	4.00/6.00	6.00/14.0	IN
05-02-96						
*** PEST ***						
VELVETLEAF	HGH/NA	HGH/10	HGH/11	HGH/14	HGH/16	
	****/****	0.50/1.00	1.00/2.00	2.00/6.00	2.00/8.00	IN
PIGWEED, REDROOT	HGH/NA	HGH/10	HGH/11	HGH/13	HGH/18	
	****/****	0.50/1.00	1.00/2.00	1.00/3.00	2.00/8.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/10	HGH/12	HGH/15	HGH/20	
	****/****	0.50/1.00	1.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/11	HGH/12	HGH/14	HGH/16	
	****/****	1.00/2.00	1.00/2.00	2.00/6.00	2.00/10.0	IN

*** TIMING CODES**

09 = PRE
10 = VEPOST
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**

10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
20 = SIDE SHOOT / TILLER DEVELOPMENT
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 614/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	AMARE CON % 07-01-96	CHEAL CON % 07-01-96	ZEAMD CON % 07-23-96
1A	EXTRAZINE II DF (90WG)	4.5	LAA	9	2	96	95	99	99	0
2A	BICEP II (6SC)	4.05	LAA	9	0	99	90	99	99	0
3A£	SURPASS 100	3.43	LAA	9	3	96	82	99	99	0
4A£	GUARDSMAN	3.13	LAA	9	5	99	88	99	99	2
5A	DUAL II (7.8EC)	2.4	LAA	9	0	99	99	99	99	0
B	MARKSMAN (3.2SC)	1.4	LAA	11						
6A	SURPASS (6.4EC)	2.00	LAA	9	2	99	98	99	99	3
B	MARKSMAN (3.2SC)	1.4	LAA	11						
7A£	FRONTIER 6.0L (EC)	1.41	LAA	9	2	99	99	99	99	0
B	MARKSMAN (3.2SC)	1.4	LAA	11						
8A	DUAL II (7.8EC)	2.4	LAA	9	0	99	99	99	99	0
B£	BROADSTRIKE PLUS	0.26	LAA	9						
9A	HARNESS (7EC)	2.00	LAA	9	5	96	98	99	99	0
B£	BROADSTRIKE PLUS	0.26	LAA	9						
10A£	BROADSTRIKE PLUS	0.26	LAA	9	0	93	99	99	99	0
B	POAST (1.5EC)	0.188	LAA	12						
C£	COC	1.00	PMV	12						
11A£	BROADSTRIKE PLUS	0.26	LAA	9	0	93	97	99	99	0
B	ACCENT (75WG)	0.031	LAA	12						
C£	COC	1.00	PMV	12						
12A£	PERMIT	0.031	LAA	12	3	87	80	88	96	0
B	CLARITY (4SL)	0.125	LAA	12						
C	POAST (1.5EC)	0.188	LAA	12						
D£	COC	1.00	PMV	12						
13A£	PERMIT	0.031	LAA	12	2	87	78	95	90	0
B	CLARITY (4SL)	0.125	LAA	12						
C	ACCENT (75WG)	0.031	LAA	12						
D£	COC	1.00	PMV	12						
14A	MARKSMAN (3.2SC)	1.4	LAA	11	0	96	99	99	99	0
B	POAST (1.5EC)	0.188	LAA	11						
C£	COC	1.00	PMV	11						
15A	MARKSMAN (3.2SC)	1.4	LAA	11	0	95	98	99	99	0
B	ACCENT (75WG)	0.031	LAA	11						
C£	COC	1.00	PMV	11						
16A	EXTRAZINE II DF (90WG)	4.5	LAA	9	2	99	88	99	99	0
B	POAST (1.5EC)	0.188	LAA	12						
C£	COC	1.00	PMV	12						
17A	EXTRAZINE II DF (90WG)	4.5	LAA	9	0	95	93	98	99	0
B	ACCENT (75WG)	0.031	LAA	12						
C£	COC	1.00	PMV	12						
18A£	BROADSTRIKE PLUS	0.26	LAA	9	3	97	99	99	99	0
B	POAST (1.5EC)	0.188	LAA	11						
C£	COC	1.00	PMV	11						
D	POAST (1.5EC)	0.188	LAA	13						
E£	COC	1.00	PMV	13						
19A£	BROADSTRIKE PLUS	0.26	LAA	9	0	96	97	99	99	0
B	POAST (1.5EC)	0.094	LAA	10						
C£	FRONTIER 6.0L (EC)	0.94	LAA	10						
D£	COC	1.00	PMV	10						
20A£	BROADSTRIKE PLUS	0.26	LAA	9	2	96	99	99	99	0
B	ACCENT (75WG)	0.016	LAA	10						
C£	FRONTIER 6.0L (EC)	0.94	LAA	10						
D£	COC	1.00	PMV	10						
21A	POAST (1.5EC)	0.094	LAA	10	2	96	91	99	99	0
B£	FRONTIER 6.0L (EC)	0.94	LAA	10						
C	CLARITY (4SL)	0.5	LAA	10						
D£	COC	1.00	PMV	10						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	AMARE CON % 07-01-96	CHEAL CON % 07-01-96	ZEAMD CON % 07-23-96
22A	ACCENT (75WG)	0.031	LAA	10	3	96	92	99	99	0
B	FRONTIER 6.0L (EC)	0.94	LAA	10						
C	CLARITY (4SL)	0.5	LAA	10						
D	COC	1.00	PMV	10						
23A	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
24A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				3.4	4.0	7.7	3.7	3.6	1.3
	STANDARD DEVIATION				2.4	19.6	20.1	19.9	19.9	1.0

TRIAL # US 614/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	AMARE CON % 07-23-96	CHEAL CON % 07-23-96
1	A EXTRAZINE II DF (90WG)	4.5	LAA	9	93	92	99	99
2	A BICEP II (6SC)	4.05	LAA	9	93	87	99	99
3	A£SURPASS 100	3.43	LAA	9	92	73	99	99
4	A£GUARDSMAN	3.13	LAA	9	95	82	90	99
5	A DUAL II (7.8EC)	2.4	LAA	9	99	99	99	99
	B MARKSMAN (3.2SC)	1.4	LAA	11				
6	A SURPASS (6.4EC)	2.00	LAA	9	95	92	99	99
	B MARKSMAN (3.2SC)	1.4	LAA	11				
7	A£FRONTIER 6.0L (EC)	1.41	LAA	9	95	95	99	99
	B MARKSMAN (3.2SC)	1.4	LAA	11				
8	A DUAL II (7.8EC)	2.4	LAA	9	96	99	99	99
	B£BROADSTRIKE PLUS	0.26	LAA	9				
9	A HARNESS (7EC)	2.00	LAA	9	93	98	99	99
	B£BROADSTRIKE PLUS	0.26	LAA	9				
10	A£BROADSTRIKE PLUS	0.26	LAA	9	93	98	99	99
	B POAST (1.5EC)	0.188	LAA	12				
	C£COC	1.00	PMV	12				
11	A£BROADSTRIKE PLUS	0.26	LAA	9	90	95	99	99
	B ACCENT (75WG)	0.031	LAA	12				
	C£COC	1.00	PMV	12				
12	A£PERMIT	0.031	LAA	12	88	80	99	98
	B CLARITY (4SL)	0.125	LAA	12				
	C POAST (1.5EC)	0.188	LAA	12				
	D£COC	1.00	PMV	12				
13	A£PERMIT	0.031	LAA	12	85	80	99	99
	B CLARITY (4SL)	0.125	LAA	12				
	C ACCENT (75WG)	0.031	LAA	12				
	D£COC	1.00	PMV	12				
14	A MARKSMAN (3.2SC)	1.4	LAA	11	96	98	99	99
	B POAST (1.5EC)	0.188	LAA	11				
	C£COC	1.00	PMV	11				
15	A MARKSMAN (3.2SC)	1.4	LAA	11	88	95	99	99
	B ACCENT (75WG)	0.031	LAA	11				
	C£COC	1.00	PMV	11				
16	A EXTRAZINE II DF (90WG)	4.5	LAA	9	95	85	99	99
	B POAST (1.5EC)	0.188	LAA	12				
	C£COC	1.00	PMV	12				
17	A EXTRAZINE II DF (90WG)	4.5	LAA	9	88	90	99	99
	B ACCENT (75WG)	0.031	LAA	12				
	C£COC	1.00	PMV	12				
18	A£BROADSTRIKE PLUS	0.26	LAA	9	98	99	98	99
	B POAST (1.5EC)	0.188	LAA	11				
	C£COC	1.00	PMV	11				
	D POAST (1.5EC)	0.188	LAA	13				
	E£COC	1.00	PMV	13				
19	A£BROADSTRIKE PLUS	0.26	LAA	9	93	98	99	99
	B POAST (1.5EC)	0.094	LAA	10				
	C£FRONTIER 6.0L (EC)	0.94	LAA	10				
	D£COC	1.00	PMV	10				
20	A£BROADSTRIKE PLUS	0.26	LAA	9	88	98	99	99
	B ACCENT (75WG)	0.016	LAA	10				
	C£FRONTIER 6.0L (EC)	0.94	LAA	10				
	D£COC	1.00	PMV	10				
21	A POAST (1.5EC)	0.094	LAA	10	93	85	93	99
	B£FRONTIER 6.0L (EC)	0.94	LAA	10				
	C CLARITY (4SL)	0.5	LAA	10				
	D£COC	1.00	PMV	10				

TRIAL # US 614/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	AMARE CON % 07-23-96	CHEAL CON % 07-23-96
22A ACCENT (75WG)	0.031	LAA	10	90	90	99	99
B£FRONTIER 6.0L (EC)	0.94	LAA	10				
C CLARITY (4SL)	0.5	LAA	10				
D£COC	1.00	PMV	10				
23A£HAND WEEDED	0.00	NA	0	99	99	99	99
24A UNTREATED CHECK	0.00	NA	0	0	0	0	0
LSD (0.05)				7.4	9.7	4.1	0.8
STANDARD DEVIATION				19.3	20.2	19.9	19.8

£ = SUPPLEMENTAL CHEMICAL

 TOTAL POST WEED CONTROL IN POAST COMPATIBLE CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-02-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	62	87	84	½F
% REL.HUMIDITY	27	45	58	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	10.0	3.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	CLODDY	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/12	HGH/14	
DK592	****/****	2.00/3.00	4.00/6.00	IN
05-02-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/4.00	IN
PIGWEED, REDROOT	HGH/NA	HGH/12	HGH/15	
	****/****	1.00/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/17	
	****/****	1.00/1.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/6.00	IN

*** TIMING CODES**
09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 615/95/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	AMARE CON % 07-01-96	CHEAL CON % 07-01-96	ZEAMD CON % 07-23-96
1A£	BROADSTRIKE PLUS	0.26	LAA	9	0	95	97	99	99	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
2A	CLARITY (4SL)	0.5	LAA	12	0	83	55	90	99	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
3A	MARKSMAN (3.2SC)	1.4	LAA	12	0	93	93	99	99	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
4A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	90	65	70	94	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
5A	LADDOK S-12 (5SC)	1.04	LAA	12	3	95	91	98	98	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
6A£	NAF-73	0.21	LAA	12	0	82	77	85	93	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
7A£	PERMIT	0.031	LAA	12	0	83	70	93	96	0
	B CLARITY (4SL)	0.125	LAA	12						
	C POAST (1.5EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
8A£	EXCEED	0.036	LAA	12	2	77	72	99	99	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
9A	ATRAZINE 90DF (WG)	1.00	LAA	12	0	83	95	83	98	0
	B RESOURCE (0.86EC)	0.027	LAA	12						
	C POAST (1.5EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	0	85	72	98	99	0
	B ACCENT (75WG)	0.031	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
11A	MARKSMAN (3.2SC)	1.4	LAA	11	0	94	93	93	99	0
	B POAST (1.5EC)	0.188	LAA	12						
	C£COC	1.00	PMV	12						
12A	MARKSMAN (3.2SC)	1.4	LAA	11	0	93	99	99	99	0
	B ACCENT (75WG)	0.031	LAA	12						
	C£COC	1.00	PMV	12						
13A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
14A	UNTREATED CHECK	0.00	NA	0	3	0	0	0	0	0
	LSD (0.05)				3.7	10.3	13.8	16.5	6.2	0.0
	STANDARD DEVIATION				2.1	24.2	26.3	26.6	25.5	0.0

TRIAL # US 615/95/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	AMARE CON % 07-23-96	CHEAL CON % 07-23-96
1A£	BROADSTRIKE PLUS	0.26	LAA	9	93	96	99	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
2A	CLARITY (4SL)	0.5	LAA	12	85	70	98	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
3A	MARKSMAN (3.2SC)	1.4	LAA	12	90	96	99	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
4A	BUCTRIL GEL (4EC)	0.25	LAA	12	88	50	60	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
5A	LADDOK S-12 (5SC)	1.04	LAA	12	90	87	99	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
6A£	NAF-73	0.21	LAA	12	85	90	86	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
7A£	PERMIT	0.031	LAA	12	87	80	96	99
B	CLARITY (4SL)	0.125	LAA	12				
C	POAST (1.5EC)	0.188	LAA	12				
D£	COC	1.00	PMV	12				
8A£	EXCEED	0.036	LAA	12	48	82	99	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
9A	ATRAZINE 90DF (WG)	1.00	LAA	12	75	92	80	99
B	RESOURCE (0.86EC)	0.027	LAA	12				
C	POAST (1.5EC)	0.188	LAA	12				
D£	COC	1.00	PMV	12				
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	80	47	99	98
B	ACCENT (75WG)	0.031	LAA	12				
C£	ACTIVATE PLUS	0.25	PMV	12				
11A	MARKSMAN (3.2SC)	1.4	LAA	11	85	93	98	99
B	POAST (1.5EC)	0.188	LAA	12				
C£	COC	1.00	PMV	12				
12A	MARKSMAN (3.2SC)	1.4	LAA	11	88	99	99	99
B	ACCENT (75WG)	0.031	LAA	12				
C£	COC	1.00	PMV	12				
13A£	HAND WEEDED	0.00	NA	0	99	99	99	99
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
	LSD (0.05)				12.8	10.6	18.0	1.0
	STANDARD DEVIATION				25.2	27.4	27.9	25.5

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF FALL APPLIED COMMAND IN NO-TILL APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	01	04	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	11-20-95	04-10-96	06-25-96	MDY
AIR TEMPERATURE	48	57	71	½F
% REL.HUMIDITY	40	25	51	
WIND DIRECTION	NORTHWEST	WEST	WEST	
WIND SPEED	12.5	15.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/NA	HGH/11	
PIONEER 9305	****/****	****/****	3.00/4.00	IN
05-22-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/2.00	IN
RAGWEED, GIANT	HGH/NA	HGH/NA	HGH/11	
	****/****	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/1.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/13	
	****/****	****/****	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	1.00/3.00	IN
DANDELION, COMMO	HGH/NA	HGH/NA	HGH/15	
05-22-96	****/****	****/****	2.00/3.00	IN

*** TIMING CODES**

01 = FALL
04 = EPP30 DBP
11 = EPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRIAL # US 701/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	TAROF CON % 05-20-96	SETFA CON % 05-20-96	CHEAL CON % 05-20-96	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96
1A	COMMAND 4EC	1.00	LAA	1	98	48	98	0	47	47
2A	COMMAND 4EC	1.00	LAA	1	98	48	99	0	53	68
	B£2,4-D LVE	0.5	LAA	1						
	C£COC	1.00	PMV	1						
3A	COMMAND 4EC	1.00	LAA	1	99	58	99	0	87	98
	B PURSUIT (2SL)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.00	PMV	11						
4A	COMMAND 4EC	1.00	LAA	1	96	53	99	0	87	98
	B£2,4-D LVE	0.25	LAA	1						
	C£COC	1.00	PMV	1						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
5A	DUAL II (7.8EC)	2.5	LAA	1	99	40	93	0	47	67
6A	DUAL II (7.8EC)	2.5	LAA	1	94	40	95	2	93	98
	B£2,4-D LVE	0.5	LAA	1						
	C£COC	1.00	PMV	1						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
7A	£2,4-D LVE	1.00	LAA	1	98	85	99	5	98	99
	B£COC	1.00	PMV	1						
	C ROUNDUP (3SL)	0.38	LAA	4						
	D PROWL 3.3EC	1.25	LAA	4						
	E£ACTIVATE PLUS	0.5	PMV	4						
	F PURSUIT (2SL)	0.063	LAA	11						
	G£SUNIT II	0.75	PMV	11						
	H FERTILIZER - 28%UAN	2.00	PMV	11						
8A	BANVEL (4SL)	0.5	LAA	1	99	83	99	7	97	99
	B£COC	1.00	PMV	1						
	C ROUNDUP (3SL)	0.38	LAA	4						
	D PROWL 3.3EC	1.25	LAA	4						
	E£ACTIVATE PLUS	0.5	PMV	4						
	F PURSUIT (2SL)	0.063	LAA	11						
	G£SUNIT II	0.75	PMV	11						
	H FERTILIZER - 28%UAN	2.00	PMV	11						
9A	ROUNDUP (3SL)	0.38	LAA	4	99	78	99	3	96	98
	B£2,4-D LVE	0.5	LAA	4						
	C PROWL 3.3EC	1.25	LAA	4						
	D£ACTIVATE PLUS	0.25	PMV	4						
	E PURSUIT (2SL)	0.063	LAA	11						
	F£SUNIT II	0.75	PMV	11						
	G FERTILIZER - 28%UAN	2.00	PMV	11						
10A	COMMAND 4EC	1.00	LAA	4	99	85	99	0	75	83
11A	COMMAND 4EC	1.00	LAA	4	98	85	99	0	73	75
	B£2,4-D LVE	0.5	LAA	4						
	C£COC	1.00	PMV	4						
12A	COMMAND 4EC	1.00	LAA	4	98	90	99	2	96	99
	B PURSUIT (2SL)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.00	PMV	11						
13A	COMMAND 4EC	1.00	LAA	4	99	85	99	2	98	99
	B£2,4-D LVE	0.5	LAA	4						
	C£COC	1.00	PMV	4						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.9	13.7	5.4	3.3	6.6	6.9
	STANDARD DEVIATION				25.4	26.2	25.5	2.7	27.9	27.7

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TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBTR CON % 07-01-96	CHEAL CON % 07-01-96	POLPY CON % 07-01-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	AMBTR CON % 07-23-96
1A	COMMAND 4EC	1.00	LAA	1	60	68	83	0	47	63
2A	COMMAND 4EC	1.00	LAA	1	79	67	86	0	47	68
	B£2,4-D LVE	0.5	LAA	1						
	C£COC	1.00	PMV	1						
3A	COMMAND 4EC	1.00	LAA	1	98	96	99	3	80	82
	B PURSUIT (2SL)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.00	PMV	11						
4A	COMMAND 4EC	1.00	LAA	1	95	96	98	0	80	94
	B£2,4-D LVE	0.25	LAA	1						
	C£COC	1.00	PMV	1						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
5A	DUAL II (7.8EC)	2.5	LAA	1	43	73	99	0	68	60
6A	DUAL II (7.8EC)	2.5	LAA	1	98	95	99	0	83	90
	B£2,4-D LVE	0.5	LAA	1						
	C£COC	1.00	PMV	1						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
7A	£2,4-D LVE	1.00	LAA	1	98	99	99	5	92	98
	B£COC	1.00	PMV	1						
	C ROUNDUP (3SL)	0.38	LAA	4						
	D PROWL 3.3EC	1.25	LAA	4						
	E£ACTIVATE PLUS	0.5	PMV	4						
	F PURSUIT (2SL)	0.063	LAA	11						
	G£SUNIT II	0.75	PMV	11						
	H FERTILIZER - 28%UAN	2.00	PMV	11						
8A	BANVEL (4SL)	0.5	LAA	1	98	99	98	8	92	83
	B£COC	1.00	PMV	1						
	C ROUNDUP (3SL)	0.38	LAA	4						
	D PROWL 3.3EC	1.25	LAA	4						
	E£ACTIVATE PLUS	0.5	PMV	4						
	F PURSUIT (2SL)	0.063	LAA	11						
	G£SUNIT II	0.75	PMV	11						
	H FERTILIZER - 28%UAN	2.00	PMV	11						
9A	ROUNDUP (3SL)	0.38	LAA	4	99	96	99	5	95	98
	B£2,4-D LVE	0.5	LAA	4						
	C PROWL 3.3EC	1.25	LAA	4						
	D£ACTIVATE PLUS	0.25	PMV	4						
	E PURSUIT (2SL)	0.063	LAA	11						
	F£SUNIT II	0.75	PMV	11						
	G FERTILIZER - 28%UAN	2.00	PMV	11						
10A	COMMAND 4EC	1.00	LAA	4	72	68	99	0	68	68
11A	COMMAND 4EC	1.00	LAA	4	86	72	70	0	70	95
	B£2,4-D LVE	0.5	LAA	4						
	C£COC	1.00	PMV	4						
12A	COMMAND 4EC	1.00	LAA	4	96	99	99	0	93	96
	B PURSUIT (2SL)	0.031	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	2.00	PMV	11						
13A	COMMAND 4EC	1.00	LAA	4	99	99	99	0	91	98
	B£2,4-D LVE	0.5	LAA	4						
	C£COC	1.00	PMV	4						
	D PURSUIT (2SL)	0.031	LAA	11						
	E£ACTIVATE PLUS	0.25	PMV	11						
	F FERTILIZER - 28%UAN	2.00	PMV	11						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				23.5	7.1	20.5	3.4	8.1	7.7
	STANDARD DEVIATION				30.2	26.1	27.5	3.2	25.5	25.7

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TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
1A	COMMAND 4EC	1.00	LAA	1	62	62	73
2A	COMMAND 4EC	1.00	LAA	1	65	60	80
	B£2,4-D LVE	0.5	LAA	1			
	C£COC	1.00	PMV	1			
3A	COMMAND 4EC	1.00	LAA	1	88	77	95
	B PURSUIT (2SL)	0.031	LAA	11			
	C£ACTIVATE PLUS	0.25	PMV	11			
	D FERTILIZER - 28%UAN	2.00	PMV	11			
4A	COMMAND 4EC	1.00	LAA	1	78	82	88
	B£2,4-D LVE	0.25	LAA	1			
	C£COC	1.00	PMV	1			
	D PURSUIT (2SL)	0.031	LAA	11			
	E£ACTIVATE PLUS	0.25	PMV	11			
	F FERTILIZER - 28%UAN	2.00	PMV	11			
5A	DUAL II (7.8EC)	2.5	LAA	1	67	65	95
6A	DUAL II (7.8EC)	2.5	LAA	1	95	82	98
	B£2,4-D LVE	0.5	LAA	1			
	C£COC	1.00	PMV	1			
	D PURSUIT (2SL)	0.031	LAA	11			
	E£ACTIVATE PLUS	0.25	PMV	11			
	F FERTILIZER - 28%UAN	2.00	PMV	11			
7A	£2,4-D LVE	1.00	LAA	1	98	92	91
	B£COC	1.00	PMV	1			
	C ROUNDUP (3SL)	0.38	LAA	4			
	D PROWL 3.3EC	1.25	LAA	4			
	E£ACTIVATE PLUS	0.5	PMV	4			
	F PURSUIT (2SL)	0.063	LAA	11			
	G£SUNIT II	0.75	PMV	11			
	H FERTILIZER - 28%UAN	2.00	PMV	11			
8A	BANVEL (4SL)	0.5	LAA	1	92	90	94
	B£COC	1.00	PMV	1			
	C ROUNDUP (3SL)	0.38	LAA	4			
	D PROWL 3.3EC	1.25	LAA	4			
	E£ACTIVATE PLUS	0.5	PMV	4			
	F PURSUIT (2SL)	0.063	LAA	11			
	G£SUNIT II	0.75	PMV	11			
	H FERTILIZER - 28%UAN	2.00	PMV	11			
9A	ROUNDUP (3SL)	0.38	LAA	4	92	90	99
	B£2,4-D LVE	0.5	LAA	4			
	C PROWL 3.3EC	1.25	LAA	4			
	D£ACTIVATE PLUS	0.25	PMV	4			
	E PURSUIT (2SL)	0.063	LAA	11			
	F£SUNIT II	0.75	PMV	11			
	G FERTILIZER - 28%UAN	2.00	PMV	11			
10A	COMMAND 4EC	1.00	LAA	4	75	67	93
11A	COMMAND 4EC	1.00	LAA	4	75	72	78
	B£2,4-D LVE	0.5	LAA	4			
	C£COC	1.00	PMV	4			
12A	COMMAND 4EC	1.00	LAA	4	87	85	99
	B PURSUIT (2SL)	0.031	LAA	11			
	C£ACTIVATE PLUS	0.25	PMV	11			
	D FERTILIZER - 28%UAN	2.00	PMV	11			
13A	COMMAND 4EC	1.00	LAA	4	95	95	94
	B£2,4-D LVE	0.5	LAA	4			
	C£COC	1.00	PMV	4			
	D PURSUIT (2SL)	0.031	LAA	11			
	E£ACTIVATE PLUS	0.25	PMV	11			
	F FERTILIZER - 28%UAN	2.00	PMV	11			
14A	UNTREATED CHECK	0.00	NA	0	0	0	0
			LSD (0.05)		9.9	7.5	11.4
			STANDARD DEVIATION		24.7	23.5	25.1

£ = SUPPLEMENTAL CHEMICAL

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	04	05	06	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-10-96	04-24-96	05-21-96	06-25-96	06-28-96	MDY
AIR TEMPERATURE	57	68	84	71	95	½F
% REL.HUMIDITY	25	32	47	51	32	
WIND DIRECTION	WEST	SOUTHEAST	SOUTHWEST	WEST	SOUTHWEST	
WIND SPEED	15.0	10.0	10.0	3.0	10.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	40.00	40.00	40.00	36.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/12	
PIONEER 9305	****/****	****/****	****/****	3.00/4.00	3.00/5.00	IN
05-22-96						
*** PEST ***						
VELVETLEAF	HGH/NA	HGH/NA	HGH/NA	HGH/11	HGH/12	
	****/****	****/****	****/****	1.00/2.00	1.00/3.00	IN
PIGWEED, REDROOT	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	****/****	1.00/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	****/****	1.00/1.50	1.00/2.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	****/****	2.00/6.00	2.00/7.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	****/****	1.00/4.00	1.00/5.00	IN

*** TIMING CODES**

04 = EPP30 DBP
05 = EPP15 DBP
06 = EPP07 DBP
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-02-96	SETFA CON % 07-02-96	ABUTH CON % 07-02-96	CHEAL CON % 07-02-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	72	96	99	0	57
2A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	10	78	98	99	2	70
B	GALAXY (3.67SL)	0.92	LAA	12						
C	£COC	1.00	PMV	12						
3A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	0	82	98	99	0	73
B	CANOPY (75WG)	0.141	LAA	4						
4A	£FIRST RATE	0.039	LAA	4	0	75	95	95	2	62
B	DUAL II (7.8EC)	2.00	LAA	4						
5A	£AUTHORITY	0.375	LAA	4	0	70	83	99	5	43
B	SENCOR DF (75WG)	0.23	LAA	4						
C	DUAL II (7.8EC)	2.00	LAA	4						
6A	£COMMAND 3ME	0.75	LAA	5	0	68	90	99	0	47
B	£AUTHORITY	0.375	LAA	5						
7A	£AUTHORITY	0.313	LAA	5	0	68	96	99	3	88
B	SENCOR DF (75WG)	0.188	LAA	5						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	£COC	1.00	PMV	12						
8A	£AUTHORITY	0.375	LAA	5	0	72	83	99	0	90
B	SENCOR DF (75WG)	0.23	LAA	5						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	£COC	1.00	PMV	12						
9A	£AUTHORITY	0.313	LAA	5	0	75	88	99	0	68
B	SENCOR DF (75WG)	0.188	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
10A	£AUTHORITY	0.375	LAA	5	0	73	96	99	2	65
B	SENCOR DF (75WG)	0.23	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
11A	£AUTHORITY	0.2	LAA	5	0	85	98	99	2	80
B	£F6025	0.04	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
12A	£AUTHORITY	0.26	LAA	5	0	78	96	99	0	80
B	£F6025	0.052	LAA	5						
C	DUAL II (7.8EC)	2.00	LAA	5						
13A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
14A	£FIRST RATE	0.039	LAA	5	0	78	98	96	0	68
B	DUAL II (7.8EC)	2.00	LAA	5						
15A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	0	70	98	98	0	50
16A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	15	82	98	98	2	78
B	GALAXY (3.67SL)	0.92	LAA	12						
C	£COC	1.00	PMV	12						
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	0	85	96	99	0	87
B	CANOPY (75WG)	0.141	LAA	6						
18A	£FIRST RATE	0.039	LAA	6	0	80	96	95	0	77
B	DUAL II (7.8EC)	2.00	LAA	6						
19A	£COMMAND 3ME	0.75	LAA	6	0	85	95	99	2	85
B	£AUTHORITY	0.375	LAA	6						
20A	£AUTHORITY	0.313	LAA	6	0	78	93	99	2	96
B	SENCOR DF (75WG)	0.188	LAA	6						
C	POAST PLUS (1EC)	0.188	LAA	12						
D	£COC	1.00	PMV	12						
21A	£AUTHORITY	0.375	LAA	6	0	72	89	91	0	95
B	SENCOR DF (75WG)	0.23	LAA	6						
C	POAST PLUS (1EC)	0.188	PMV	12						
D	£COC	1.00	PMV	12						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-02-96	SETFA CON % 07-02-96	ABUTH CON % 07-02-96	CHEAL CON % 07-02-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
22A	£AUTHORITY	0.313	LAA	6	0	77	88	99	0	67
	B SENCOR DF (75WG)	0.188	LAA	6						
	C DUAL II (7.8EC)	2.00	LAA	6						
23A	£AUTHORITY	0.375	LAA	6	0	80	90	99	0	60
	B SENCOR DF (75WG)	0.23	LAA	6						
	C DUAL II (7.8EC)	2.00	LAA	6						
24A	£AUTHORITY	0.2	LAA	6	0	72	90	95	0	0
	B£F6025	0.04	LAA	6						
	C DUAL II (7.8EC)	2.00	LAA	6						
25A	£AUTHORITY	0.26	LAA	6	0	90	99	99	7	92
	B£F6025	0.052	LAA	6						
	C DUAL II (7.8EC)	2.00	LAA	6						
26A	£STEEL CP	0.00	LAA	6	2	90	99	99	0	91
	B PURSUIT PLUS (2.9EC)	0.91	LAA	6						
	C SCEPTER 70DG (WG)	0.063	LAA	6						
	D PROWL 3.3EC	0.4	LAA	6						
27A	PURSUIT PLUS (2.9EC)	0.91	LAA	6	0	83	99	99	0	73
	B PROWL 3.3EC	0.4	LAA	6						
28A	PROWL 3.3EC	1.25	LAA	6	5	82	90	90	2	88
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
29A	PROWL 3.3EC	1.25	LAA	6	17	85	88	98	10	93
	B£RAPTOR	0.04	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
30A	£RAPTOR	0.04	LAA	11	22	80	88	93	35	83
	B£SUNIT II	0.75	PMV	11						
	C FERTILIZER - 28%UAN	1.25	PMV	11						
	LSD (0.05)				1.5	9.7	9.7	6.2	4.1	14.5
	STANDARD DEVIATION				5.6	16.0	18.2	18.0	6.8	24.7

TRIAL # US 702/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	AMARE CON % 07-23-96	POLPY CON % 07-23-96
1A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	99	98	99	98
2A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	99	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C	£COC	1.00	PMV	12				
3A	BROADSTRIKE + DUAL (7.67SC)	2.64	LAA	4	98	99	99	99
B	CANOPY (75WG)	0.141	LAA	4				
4A	£FIRST RATE	0.039	LAA	4	99	99	99	96
B	DUAL II (7.8EC)	2.00	LAA	4				
5A	£AUTHORITY	0.375	LAA	4	96	99	99	90
B	SENCOR DF (75WG)	0.23	LAA	4				
C	DUAL II (7.8EC)	2.00	LAA	4				
6A	£COMMAND 3ME	0.75	LAA	5	96	99	99	96
B	£AUTHORITY	0.375	LAA	5				
7A	£AUTHORITY	0.313	LAA	5	96	99	99	93
B	SENCOR DF (75WG)	0.188	LAA	5				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
8A	£AUTHORITY	0.375	LAA	5	90	99	99	99
B	SENCOR DF (75WG)	0.23	LAA	5				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
9A	£AUTHORITY	0.313	LAA	5	96	99	99	99
B	SENCOR DF (75WG)	0.188	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
10A	£AUTHORITY	0.375	LAA	5	99	99	99	96
B	SENCOR DF (75WG)	0.23	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
11A	£AUTHORITY	0.2	LAA	5	99	99	99	99
B	£F6025	0.04	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
12A	£AUTHORITY	0.26	LAA	5	99	99	99	99
B	£F6025	0.052	LAA	5				
C	DUAL II (7.8EC)	2.00	LAA	5				
13A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
14A	£FIRST RATE	0.039	LAA	5	99	98	99	99
B	DUAL II (7.8EC)	2.00	LAA	5				
15A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	99	99	99
16A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	98	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C	£COC	1.00	PMV	12				
17A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	6	99	99	99	99
B	CANOPY (75WG)	0.141	LAA	6				
18A	£FIRST RATE	0.039	LAA	6	98	99	99	99
B	DUAL II (7.8EC)	2.00	LAA	6				
19A	£COMMAND 3ME	0.75	LAA	6	98	99	99	98
B	£AUTHORITY	0.375	LAA	6				
20A	£AUTHORITY	0.313	LAA	6	96	99	99	93
B	SENCOR DF (75WG)	0.188	LAA	6				
C	POAST PLUS (1EC)	0.188	LAA	12				
D	£COC	1.00	PMV	12				
21A	£AUTHORITY	0.375	LAA	6	96	96	99	99
B	SENCOR DF (75WG)	0.23	LAA	6				
C	POAST PLUS (1EC)	0.188	PMV	12				
D	£COC	1.00	PMV	12				

TRIAL # US 702/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	AMARE CON % 07-23-96	POLPY CON % 07-23-96
22	A£AUTHORITY	0.313	LAA	6	98	99	99	88
	B SENCOR DF (75WG)	0.188	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
23	A£AUTHORITY	0.375	LAA	6	98	99	99	93
	B SENCOR DF (75WG)	0.23	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
24	A£AUTHORITY	0.2	LAA	6	0	0	0	0
	B£F6025	0.04	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
25	A£AUTHORITY	0.26	LAA	6	99	99	99	99
	B£F6025	0.052	LAA	6				
	C DUAL II (7.8EC)	2.00	LAA	6				
26	A£STEEL CP	0.00	LAA	6	99	99	99	99
	B PURSUIT PLUS (2.9EC)	0.91	LAA	6				
	C SCEPTER 70DG (WG)	0.063	LAA	6				
	D PROWL 3.3EC	0.4	LAA	6				
27	A PURSUIT PLUS (2.9EC)	0.91	LAA	6	99	99	99	99
	B PROWL 3.3EC	0.4	LAA	6				
28	A PROWL 3.3EC	1.25	LAA	6	99	98	99	98
	B PURSUIT (2SL)	0.063	LAA	11				
	C£SUNIT II	0.75	PMV	11				
	D FERTILIZER - 28%UAN	1.25	PMV	11				
29	A PROWL 3.3EC	1.25	LAA	6	98	98	99	98
	B£RAPTOR	0.04	LAA	11				
	C£SUNIT II	0.75	PMV	11				
	D FERTILIZER - 28%UAN	1.25	PMV	11				
30	A£RAPTOR	0.04	LAA	11	93	96	99	99
	B£SUNIT II	0.75	PMV	11				
	C FERTILIZER - 28%UAN	1.25	PMV	11				
	LSD (0.05)				4.7	2.7	0.0	7.0
	STANDARD DEVIATION				24.5	24.6	24.7	24.6

£ = SUPPLEMENTAL CHEMICAL

BURNDOWN TREATMENTS FOR NO-TILL SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	06	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	47	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** PEST ***		
LAMBSQUARTERS, C	HGH/14	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/13	
	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	
	0.50/1.00	IN
DANDELION, COMMO	HGH/15	
	4.00/10.0	IN

*** TIMING CODES**
06 = EPP07 DBP

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application Twister 0.5 lb, MSO 1.0%, and 28% UAN at 2.5% 6-20-96

TRIAL # US 703/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 06-05-96	SETFA CON % 06-05-96	TAROF CON % 06-05-96	POLPY CON % 06-05-96	CHEAL CON % 06-24-96	SETFA CON % 06-24-96
1A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	99	96	99	99	40
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
2A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	79	70	99	99	48
	B SENCOR DF (75WG)	0.094	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
3A	SENCOR DF (75WG)	0.188	LAA	6	86	86	93	96	79	32
	B GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6						
	C£ACTIVATE PLUS	0.25	PMV	6						
4A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	94	95	99	99	68
	B CANOPY (75WG)	0.094	LAA	6						
	C£ACTIVATE PLUS	0.125	PMV	6						
5A	£ROUNDUP ULTRA	0.38	LAA	6	99	99	99	99	99	65
	B£2,4-D LVE	0.5	LAA	6						
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
6A	SENCOR DF (75WG)	0.188	LAA	6	99	99	98	99	99	80
	B£ROUNDUP ULTRA	0.38	LAA	6						
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
7A	TOUCHDOWN (6SL)	0.5	LAA	6	99	99	96	99	99	78
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.5	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
8A	TOUCHDOWN (6SL)	0.75	LAA	6	99	98	98	99	99	77
	B£2,4-D LVE	0.5	LAA	6						
	C£ACTIVATE PLUS	0.5	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
9A	TOUCHDOWN (6SL)	1.00	LAA	6	99	94	99	99	99	60
	B£ACTIVATE PLUS	0.5	PMV	6						
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
10A	SENCOR DF (75WG)	0.188	LAA	6	99	99	96	99	99	83
	B TOUCHDOWN (6SL)	0.5	LAA	6						
	C£ACTIVATE PLUS	0.25	PMV	6						
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6						
11A	FUSION (2.66EC)	0.083	LAA	6	99	99	86	94	99	85
	B£2,4-D LVE	0.5	LAA	6						
	C£COC	1.00	PMV	6						
12A	SENCOR DF (75WG)	0.188	LAA	6	99	99	99	99	99	95
	B SELECT (2EC)	0.047	LAA	6						
	C£2,4-D LVE	0.5	LAA	6						
	D£COC	1.00	PMV	6						
	E FERTILIZER - 28%UAN	1.25	PMV	6						
13A	SENCOR DF (75WG)	0.141	LAA	6	99	99	99	99	99	83
	B FUSION (2.66EC)	0.083	LAA	6						
	C£2,4-D LVE	0.5	LAA	6						
	D£COC	1.00	PMV	6						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.9	15.9	12.9	4.2	15.3	11.1
	STANDARD DEVIATION				25.6	26.6	26.3	25.5	26.7	25.6

TRIAL # US 703/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	TAROF CON % 06-24-96	POLPY CON % 06-24-96	SETFA CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
1A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	99	65	99	93
	B£2,4-D LVE	0.5	LAA	6					
	C£ACTIVATE PLUS	0.125	PMV	6					
2A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	76	99	67	98	99
	B SENCOR DF (75WG)	0.094	LAA	6					
	C£ACTIVATE PLUS	0.125	PMV	6					
3A	SENCOR DF (75WG)	0.188	LAA	6	66	99	68	82	96
	B GRAMOXONE EXTRA (2.5SL)	0.47	LAA	6					
	C£ACTIVATE PLUS	0.25	PMV	6					
4A	GRAMOXONE EXTRA (2.5SL)	0.625	LAA	6	99	99	88	99	99
	B CANOPY (75WG)	0.094	LAA	6					
	C£ACTIVATE PLUS	0.125	PMV	6					
5A	£ROUNDUP ULTRA	0.38	LAA	6	99	99	82	99	99
	B£2,4-D LVE	0.5	LAA	6					
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
6A	SENCOR DF (75WG)	0.188	LAA	6	90	99	90	99	99
	B£ROUNDUP ULTRA	0.38	LAA	6					
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
7A	TOUCHDOWN (6SL)	0.5	LAA	6	99	99	83	98	99
	B£2,4-D LVE	0.5	LAA	6					
	C£ACTIVATE PLUS	0.5	PMV	6					
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
8A	TOUCHDOWN (6SL)	0.75	LAA	6	99	99	80	97	99
	B£2,4-D LVE	0.5	LAA	6					
	C£ACTIVATE PLUS	0.5	PMV	6					
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
9A	TOUCHDOWN (6SL)	1.00	LAA	6	99	99	75	96	99
	B£ACTIVATE PLUS	0.5	PMV	6					
	C FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
10A	SENCOR DF (75WG)	0.188	LAA	6	93	99	88	99	99
	B TOUCHDOWN (6SL)	0.5	LAA	6					
	C£ACTIVATE PLUS	0.25	PMV	6					
	D FERTILIZER-21% AMMONIUM SULFATE	3.4	LMA	6					
11A	FUSION (2.66EC)	0.083	LAA	6	88	99	94	99	99
	B£2,4-D LVE	0.5	LAA	6					
	C£COC	1.00	PMV	6					
12A	SENCOR DF (75WG)	0.188	LAA	6	99	99	96	99	99
	B SELECT (2EC)	0.047	LAA	6					
	C£2,4-D LVE	0.5	LAA	6					
	D£COC	1.00	PMV	6					
	E FERTILIZER - 28%UAN	1.25	PMV	6					
13A	SENCOR DF (75WG)	0.141	LAA	6	99	99	83	99	99
	B FUSION (2.66EC)	0.083	LAA	6					
	C£2,4-D LVE	0.5	LAA	6					
	D£COC	1.00	PMV	6					
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
		LSD (0.05)			23.4	0.0	10.7	4.6	5.5
		STANDARD DEVIATION			28.2	25.5	23.7	25.5	25.5

£ = SUPPLEMENTAL CHEMICAL

VELVETLEAF CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.0
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-27-96	MDY
AIR TEMPERATURE	90	½F
% REL.HUMIDITY	34	
WIND DIRECTION	NORTHWEST	
WIND SPEED	6.5	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9281	****/****	IN
05-06-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/14	
	4.00/5.00	IN
SMARTWEED, PENNS	HGH/17	
	4.00/5.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-07-96	ABUTH CON % 07-07-96	POLPY CON % 07-07-96	CHEAL CON % 07-07-96	GLXMA CON % 07-23-96	ABUTH CON % 07-23-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	GALAXY (3.67SL)	0.92	LAA	12	8	75	88	85	0	58
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
3A	GALAXY (3.67SL)	0.92	LAA	12	17	85	95	85	0	77
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
4A	GALAXY (3.67SL)	0.92	LAA	12	15	83	87	83	0	77
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	RESOURCE (0.86EC)	0.0135	LAA	12						
5A	GALAXY (3.67SL)	0.92	LAA	12	15	90	83	85	0	75
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	RESOURCE (0.86EC)	0.027	LAA	12						
6A	GALAXY (3.67SL)	0.92	LAA	12	18	77	88	90	0	75
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	BASAGRAN (4SL)	0.25	LAA	12						
7A	GALAXY (3.67SL)	0.92	LAA	12	17	73	88	91	0	68
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	PINNACLE (25WG)	0.002	LAA	12						
8A	STORM (4SL)	0.75	LAA	12	13	65	90	86	0	53
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
9A	STORM (4SL)	0.75	LAA	12	20	82	93	81	2	73
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	LAA	12						
10A	STORM (4SL)	0.75	LAA	12	17	70	83	83	0	68
B	POAST (1.5EC)	0.3	LAA	12						
C	RESOURCE (0.86EC)	0.0135	LAA	12						
D	£COC	0.625	PMV	12						
11A	STORM (4SL)	0.75	LAA	12	17	78	88	88	0	80
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	RESOURCE (0.86EC)	0.027	LAA	12						
12A	STORM (4SL)	0.75	LAA	12	13	73	95	88	0	53
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	BASAGRAN (4SL)	0.25	LAA	12						
13A	STORM (4SL)	0.75	LAA	12	13	63	90	83	0	55
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	PINNACLE (25WG)	0.002	LAA	12						
14A	RESOURCE (0.86EC)	0.027	LAA	12	8	70	0	68	0	70
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	1.00	PMV	12						
	LSD (0.05)				4.6	10.6	7.5	15.7	1.3	15.2
	STANDARD DEVIATION				5.7	21.6	31.6	24.8	0.8	21.1

TRIAL # US 705/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 07-23-96	CHEAL CON % 07-23-96
1A	UNTREATED CHECK	0.00	NA	0	0	0
2A	GALAXY (3.67SL)	0.92	LAA	12	77	88
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
3A	GALAXY (3.67SL)	0.92	LAA	12	90	87
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	PMV	12		
4A	GALAXY (3.67SL)	0.92	LAA	12	77	80
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	RESOURCE (0.86EC)	0.0135	LAA	12		
5A	GALAXY (3.67SL)	0.92	LAA	12	72	88
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	RESOURCE (0.86EC)	0.027	LAA	12		
6A	GALAXY (3.67SL)	0.92	LAA	12	80	88
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	BASAGRAN (4SL)	0.25	LAA	12		
7A	GALAXY (3.67SL)	0.92	LAA	12	70	92
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	PINNACLE (25WG)	0.002	LAA	12		
8A	STORM (4SL)	0.75	LAA	12	83	87
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
9A	STORM (4SL)	0.75	LAA	12	88	87
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	FERTILIZER - 28%UAN	1.25	LAA	12		
10A	STORM (4SL)	0.75	LAA	12	65	83
B	POAST (1.5EC)	0.3	LAA	12		
C	RESOURCE (0.86EC)	0.0135	LAA	12		
D£	COC	0.625	PMV	12		
11A	STORM (4SL)	0.75	LAA	12	78	92
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	RESOURCE (0.86EC)	0.027	LAA	12		
12A	STORM (4SL)	0.75	LAA	12	83	88
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	BASAGRAN (4SL)	0.25	LAA	12		
13A	STORM (4SL)	0.75	LAA	12	85	88
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	0.625	PMV	12		
D	PINNACLE (25WG)	0.002	LAA	12		
14A	RESOURCE (0.86EC)	0.027	LAA	12	0	90
B	POAST (1.5EC)	0.3	LAA	12		
C£	COC	1.00	PMV	12		
	LSD (0.05)				8.6	10.1
	STANDARD DEVIATION				28.8	23.6

£ = SUPPLEMENTAL CHEMICAL

 PREPLANT INCORPORATED TREATMENTS FOR WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.0
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	07	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-20-96	MDY
AIR TEMPERATURE	55	86	½F
% REL.HUMIDITY	48	70	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	12.5	7.5	M/H
SKY CONDITION	CLOUDY	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
PIONEER 9281	****/****	2.00/3.00	IN
05-06-96			
*** PEST ***			
VELVETLEAF	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	
	****/****	1.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/14	
	****/****	4.00/6.00	IN

*** TIMING CODES**
07 = PPI
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 706/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-13-96	SETFA CON % 06-13-96	ABUTH CON % 06-13-96	CHEAL CON % 06-13-96	POLPY CON % 06-13-96	GLXMA CON % 07-11-96
1A	COMMENCE EC (5.25EC)	1.25	LAA	7	3	85	92	99	99	3
B	CANOPY (75WG)	0.28	LAA	7						
2A	COMMENCE EC (5.25EC)	1.25	LAA	7	2	85	68	91	77	5
B	PURSUIT (2SL)	0.031	LAA	12						
C	£SUNIT II	0.75	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
3A	COMMENCE EC (5.25EC)	1.25	LAA	7	2	90	82	99	95	0
B	£AUTHORITY	0.313	LAA	7						
C	SENCOR DF (75WG)	0.188	LAA	7						
4A	TREFLAN MTF (4EC)	0.75	LAA	7	3	82	73	99	91	2
B	£AUTHORITY	0.313	LAA	7						
C	SENCOR DF (75WG)	0.188	LAA	7						
5A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	0	87	83	99	98	5
6A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	5	80	87	99	99	7
B	GALAXY (3.67SL)	0.92	LAA	12						
C	£COC	1.00	PMV	12						
7A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	3	80	87	99	99	5
B	CANOPY (75WG)	0.141	LAA	7						
8A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	0	85	85	99	96	2
9A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	3	88	88	99	99	7
B	GALAXY (3.67SL)	0.92	LAA	12						
C	£COC	1.00	PMV	12						
10A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	3	93	90	99	99	5
B	CANOPY (75WG)	0.141	LAA	7						
11A	£FIRST RATE	0.031	LAA	7	0	80	88	99	99	5
B	TREFLAN MTF (4EC)	1.00	LAA	7						
12A	£FIRST RATE	0.039	LAA	7	3	87	92	99	99	7
B	TREFLAN MTF (4EC)	1.00	LAA	7						
13A	TREFLAN MTF (4EC)	1.00	LAA	7	2	88	85	99	99	5
B	CANOPY (75WG)	0.28	LAA	7						
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
15A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	7	5	87	87	99	99	5
B	PROWL 3.3EC	0.41	LAA	7						
16A	£STEEL CP	0.00	LAA	7	13	90	93	99	99	5
B	PURSUIT PLUS EC (2.9EC)	0.91	LAA	7						
C	SCEPTER 70DG (WG)	0.062	LAA	7						
D	PROWL 3.3EC	0.41	LAA	7						
	LSD (0.05)				7.2	10.3	8.2	4.2	7.3	6.0
	STANDARD DEVIATION				4.9	21.7	22.0	24.0	24.3	3.6

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-11-96	ABUTH CON % 07-11-96	CHEAL CON % 07-11-96	POLPY CON % 07-11-96
1A	COMMENCE EC (5.25EC)	1.25	LAA	7	72	80	99	99
B	CANOPY (75WG)	0.28	LAA	7				
2A	COMMENCE EC (5.25EC)	1.25	LAA	7	96	83	88	95
B	PURSUIT (2SL)	0.031	LAA	12				
C£	SUNIT II	0.75	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
3A	COMMENCE EC (5.25EC)	1.25	LAA	7	60	63	99	83
B£	AUTHORITY	0.313	LAA	7				
C	SENCOR DF (75WG)	0.188	LAA	7				
4A	TREFLAN MTF (4EC)	0.75	LAA	7	55	62	99	83
B£	AUTHORITY	0.313	LAA	7				
C	SENCOR DF (75WG)	0.188	LAA	7				
5A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	67	93	99	98
6A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	75	99	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
7A	BROADSTRIKE + TREFLAN (3.65EC)	1.03	LAA	7	77	91	99	96
B	CANOPY (75WG)	0.141	LAA	7				
8A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	75	83	99	99
9A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	87	98	99	99
B	GALAXY (3.67SL)	0.92	LAA	12				
C£	COC	1.00	PMV	12				
10A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	7	83	95	99	99
B	CANOPY (75WG)	0.141	LAA	7				
11A£	FIRST RATE	0.031	LAA	7	73	77	99	96
B	TREFLAN MTF (4EC)	1.00	LAA	7				
12A£	FIRST RATE	0.039	LAA	7	82	85	99	98
B	TREFLAN MTF (4EC)	1.00	LAA	7				
13A	TREFLAN MTF (4EC)	1.00	LAA	7	80	77	99	99
B	CANOPY (75WG)	0.28	LAA	7				
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
15A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	7	87	95	99	99
B	PROWL 3.3EC	0.41	LAA	7				
16A£	STEEL CP	0.00	LAA	7	85	92	99	99
B	PURSUIT PLUS EC (2.9EC)	0.91	LAA	7				
C	SCEPTER 70DG (WG)	0.062	LAA	7				
D	PROWL 3.3EC	0.41	LAA	7				
	LSD (0.05)				10.5	11.4	3.2	7.5
	STANDARD DEVIATION				21.8	23.9	24.0	24.1

£ = SUPPLEMENTAL CHEMICAL

 EVALUATION OF AUTHORITY/F6025 FOR WEED CONTROL IN STS SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.0
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	49	70	86	½F
% REL.HUMIDITY	51	73	69	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	7.5	3.0	7.5	M/H
SKY CONDITION	OVERCAST	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
ASGROW A2704STS 05-06-96	****/****	2.00/3.00	3.00/4.00	IN
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/12	
	****/****	0.50/1.00	1.00/2.00	IN
RAGWEED, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/4.00	4.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/13	
	****/****	0.50/1.00	1.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/13	HGH/16	
	****/****	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/3.00	2.00/6.00	IN

*** TIMING CODES**

09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

Blanket application Poast Plus 0.188 lb 6-21-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-13-96	SETFA CON % 06-13-96	GLXMA CON % 06-24-96	AMBTR CON % 06-24-96	ABUTH CON % 06-24-96	CHEAL CON % 06-24-96
1A	£AUTHORITY	0.16	LAA	9	0	65	0	82	78	99
	B £F6025	0.032	LAA	9						
2A	£AUTHORITY	0.2	LAA	9	0	73	0	85	78	99
	B £F6025	0.04	LAA	9						
3A	£AUTHORITY	0.23	LAA	9	0	75	0	83	85	99
	B £F6025	0.046	LAA	9						
4A	CANOPY (75WG)	0.28	LAA	9	0	65	0	82	83	98
5A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	8	92	2	80	87	99
6A	£AUTHORITY	0.2	LAA	9	2	92	0	73	80	99
	B £F6025	0.04	LAA	9						
	C DUAL II (7.8EC)	1.5	LAA	9						
7A	£AUTHORITY	0.16	LAA	9	2	70	5	73	87	99
	B £F6025	0.04	LAA	9						
	C SYNCHRONY STS 25DG (WG)	0.013	LAA	12						
	D £COC	1.00	PMV	12						
8A	PURSUIT DG (70WG)	0.063	LAA	11	0	0	8	83	82	96
	B PINNACLE (25WG)	0.002	LAA	11						
	C £ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT DG (70WG)	0.063	LAA	11	0	0	13	93	88	90
	B BLAZER (2SL)	0.25	LAA	11						
	C £SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PROWL 3.3EC	1.25	LAA	9	5	70	5	85	82	98
	B PURSUIT DG (70WG)	0.063	LAA	11						
	C £SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12A	£HAND WEEDED	0.00	NA	0	0	99	0	99	99	99
	LSD (0.05)				2.5	10.4	3.6	8.0	6.4	4.0
	STANDARD DEVIATION				2.8	35.6	4.5	24.4	24.2	27.2

TRIAL # US 707/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	POLPY CON % 06-24-96	GLXMA CON % 07-11-96	ABUTH CON % 07-11-96	POLPY CON % 07-11-96	AMBTR CON % 07-11-96	CHEAL CON % 07-11-96
1A	£AUTHORITY	0.16	LAA	9	98	0	73	99	82	99
	B £F6025	0.032	LAA	9						
2A	£AUTHORITY	0.2	LAA	9	99	0	83	99	75	99
	B £F6025	0.04	LAA	9						
3A	£AUTHORITY	0.23	LAA	9	99	0	90	98	85	99
	B £F6025	0.046	LAA	9						
4A	CANOPY (75WG)	0.28	LAA	9	99	0	88	99	87	99
5A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	96	0	93	99	78	99
6A	£AUTHORITY	0.2	LAA	9	98	0	83	98	75	99
	B £F6025	0.04	LAA	9						
	C DUAL II (7.8EC)	1.5	LAA	9						
7A	£AUTHORITY	0.16	LAA	9	99	0	92	99	83	99
	B £F6025	0.04	LAA	9						
	C SYNCHRONY STS 25DG (WG)	0.013	LAA	12						
	D £COC	1.00	PMV	12						
8A	PURSUIT DG (70WG)	0.063	LAA	11	90	0	88	99	75	99
	B PINNACLE (25WG)	0.002	LAA	11						
	C £ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT DG (70WG)	0.063	LAA	11	99	0	92	99	93	88
	B BLAZER (2SL)	0.25	LAA	11						
	C £SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PROWL 3.3EC	1.25	LAA	9	90	0	88	98	88	98
	B PURSUIT DG (70WG)	0.063	LAA	11						
	C £SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
12A	£HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
	LSD (0.05)				6.4	0.0	6.1	2.0	12.9	3.9
	STANDARD DEVIATION				27.2	0.0	25.3	27.3	25.0	27.3

£ = SUPPLEMENTAL CHEMICAL

PREEMERGENCE WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	MDY
AIR TEMPERATURE	52	69	82	½F
% REL.HUMIDITY	50	73	65	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	10.0	3.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
PIONEER 9281	****/****	3.00/4.00	4.00/5.00	IN
05-06-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/13	
	****/****	0.50/1.00	1.00/2.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	
	****/****	0.50/1.00	1.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	IN

*** TIMING CODES**
09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 708/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-24-96	SETFA CON % 06-24-96	ABUTH CON % 06-24-96	CHEAL CON % 06-24-96	GLXMA CON % 07-11-96	SETFA CON % 07-11-96
1	A£COMMAND 3ME	0.75	LAA	9	0	95	95	99	0	85
	B£AUTHORITY	0.375	LAA	9						
2	A£AUTHORITY	0.313	LAA	9	3	93	83	99	0	95
	B SENCOR DF (75WG)	0.188	LAA	9						
	C POAST PLUS (1EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
3	A£AUTHORITY	0.375	LAA	9	2	95	88	96	0	95
	B SENCOR DF (75WG)	0.225	LAA	9						
	C POAST PLUS (1EC)	0.188	LAA	12						
	D£COC	1.00	PMV	12						
4	A£AUTHORITY	0.313	LAA	9	0	95	85	99	0	90
	B SENCOR DF (75WG)	0.188	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
5	A£AUTHORITY	0.375	LAA	9	2	95	93	99	0	93
	B SENCOR DF (75WG)	0.225	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
6	A£AUTHORITY	0.2	LAA	9	0	93	88	99	0	87
	B£F6025	0.04	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
7	A£AUTHORITY	0.26	LAA	9	0	95	87	99	0	88
	B£F6025	0.052	LAA	9						
	C DUAL II (7.8EC)	2.00	LAA	9						
8	A£AUTHORITY	0.2	LAA	9	3	95	92	99	0	85
	B£F6025	0.04	LAA	9						
	C£COMMAND 3ME	0.75	LAA	9						
9	A£FIRST RATE	0.031	LAA	9	0	95	85	98	0	87
	B DUAL II (7.8EC)	2.00	LAA	9						
10	A£FIRST RATE	0.039	LAA	9	2	95	88	96	0	92
	B DUAL II (7.8EC)	2.00	LAA	9						
11	A£BROADSTRIKE+DUAL	2.4	LAA	9	0	93	82	94	0	82
12	A£BROADSTRIKE+DUAL	2.4	LAA	9	0	95	87	98	0	92
	B CANOPY (75WG)	0.141	LAA	9						
13	A£BROADSTRIKE+DUAL	2.4	LAA	9	13	96	95	99	3	90
	B GALAXY (3.67SL)	0.92	LAA	12						
	C£COC	1.00	PMV	12						
14	A PURSUIT PLUS (2.9EC)	0.94	LAA	9	7	95	88	99	3	90
	B PROWL 3.3EC	0.41	LAA	9						
15	A CANOPY (75WG)	0.28	LAA	9	2	95	87	99	0	88
	B DUAL II (7.8EC)	2.00	LAA	9						
16	A£AUTHORITY	0.375	LAA	9	5	99	93	99	2	96
	B£AXIOM	0.81	LAA	9						
17	A CANOPY (75WG)	0.28	LAA	9	5	96	87	99	0	95
	B£AXIOM	0.81	LAA	9						
18	A£AUTHORITY	0.2	LAA	9	5	98	92	99	0	92
	B£F6025	0.04	LAA	9						
	C£AXIOM	0.81	LAA	9						
19	A PROWL 3.3EC	1.25	LAA	9	8	95	85	96	2	88
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
20	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				3.2	2.9	5.8	4.6	2.1	7.0
	STANDARD DEVIATION				3.8	20.8	19.8	21.6	1.5	20.3

TRIAL # US 708/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-11-96	CHEAL CON % 07-11-96
1	A£COMMAND 3ME	0.75	LAA	9	98	99
	B£AUTHORITY	0.375	LAA	9		
2	A£AUTHORITY	0.313	LAA	9	78	99
	B SENCOR DF (75WG)	0.188	LAA	9		
	C POAST PLUS (1EC)	0.188	LAA	12		
	D£COC	1.00	PMV	12		
3	A£AUTHORITY	0.375	LAA	9	80	99
	B SENCOR DF (75WG)	0.225	LAA	9		
	C POAST PLUS (1EC)	0.188	LAA	12		
	D£COC	1.00	PMV	12		
4	A£AUTHORITY	0.313	LAA	9	77	99
	B SENCOR DF (75WG)	0.188	LAA	9		
	C DUAL II (7.8EC)	2.00	LAA	9		
5	A£AUTHORITY	0.375	LAA	9	87	99
	B SENCOR DF (75WG)	0.225	LAA	9		
	C DUAL II (7.8EC)	2.00	LAA	9		
6	A£AUTHORITY	0.2	LAA	9	86	99
	B£F6025	0.04	LAA	9		
	C DUAL II (7.8EC)	2.00	LAA	9		
7	A£AUTHORITY	0.26	LAA	9	88	99
	B£F6025	0.052	LAA	9		
	C DUAL II (7.8EC)	2.00	LAA	9		
8	A£AUTHORITY	0.2	LAA	9	93	99
	B£F6025	0.04	LAA	9		
	C£COMMAND 3ME	0.75	LAA	9		
9	A£FIRST RATE	0.031	LAA	9	83	96
	B DUAL II (7.8EC)	2.00	LAA	9		
10	A£FIRST RATE	0.039	LAA	9	93	93
	B DUAL II (7.8EC)	2.00	LAA	9		
11	A£BROADSTRIKE+DUAL	2.4	LAA	9	78	93
12	A£BROADSTRIKE+DUAL	2.4	LAA	9	93	99
	B CANOPY (75WG)	0.141	LAA	9		
13	A£BROADSTRIKE+DUAL	2.4	LAA	9	99	99
	B GALAXY (3.67SL)	0.92	LAA	12		
	C£COC	1.00	PMV	12		
14	A PURSUIT PLUS (2.9EC)	0.94	LAA	9	99	99
	B PROWL 3.3EC	0.41	LAA	9		
15	A CANOPY (75WG)	0.28	LAA	9	87	99
	B DUAL II (7.8EC)	2.00	LAA	9		
16	A£AUTHORITY	0.375	LAA	9	88	99
	B£AXIOM	0.81	LAA	9		
17	A CANOPY (75WG)	0.28	LAA	9	85	99
	B£AXIOM	0.81	LAA	9		
18	A£AUTHORITY	0.2	LAA	9	95	99
	B£F6025	0.04	LAA	9		
	C£AXIOM	0.81	LAA	9		
19	A PROWL 3.3EC	1.25	LAA	9	93	94
	B PURSUIT (2SL)	0.063	LAA	11		
	C£SUNIT II	1.00	PMV	11		
	D FERTILIZER - 28%UAN	1.25	PMV	11		
20	A UNTREATED CHECK	0.00	NA	0	0	0
		LSD (0.05)			9.5	6.8
		STANDARD DEVIATION			21.0	21.7

£ = SUPPLEMENTAL CHEMICAL

 EVALUATION OF FIRSTRATE FOR WEED CONTROL IN SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-06-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	54	50	85	90	½F
% REL.HUMIDITY	47	50	69	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTHWEST	NORTHWEST	
WIND SPEED	12.5	7.5	7.5	8.0	M/H
SKY CONDITION	CLOUDY	CLOUDY	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
PIONEER 9281	****/****	****/****	****/****	****/****	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	0.50/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/4.00	1.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	2.00/6.00	3.00/8.00	IN

*** TIMING CODES**

07 = PPI
09 = PRE
12 = POST
13 = LPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A£	FIRST RATE	0.031	LAA	7	0	83	99	98	0	77
	B TREFLAN EC (4EC)	1.00	LAA	7						
2A£	FIRST RATE	0.031	LAA	7	0	92	95	96	0	90
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
3A£	FIRST RATE	0.031	LAA	7	0	87	95	96	0	77
	B BLAZER (2SL)	0.25	LAA	12						
	C SELECT (2EC)	0.094	PMV	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
4A	TREFLAN MTF (4EC)	1.00	LAA	7	3	73	92	90	0	62
	B£FIRST RATE	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
5A	TREFLAN MTF (4EC)	1.00	LAA	7	10	82	95	93	2	73
	B£FIRST RATE	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6A	DUAL II (7.8EC)	2.00	LAA	9	0	83	93	95	0	82
	B£FIRST RATE	0.031	LAA	9						
7A	DUAL II (7.8EC)	2.00	LAA	9	0	90	95	99	0	92
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRST RATE	0.031	LAA	9						
8A	DUAL II (7.8EC)	2.00	LAA	9	0	93	96	99	0	90
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRST RATE	0.031	LAA	9						
9A£	FIRST RATE	0.031	LAA	9	0	93	96	98	0	85
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A£	FIRST RATE	0.031	LAA	9	25	95	99	98	7	77
	B SELECT (2EC)	0.094	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
11A	DUAL II (7.8EC)	2.00	LAA	9	2	90	83	45	0	85
	B£FIRST RATE	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
12A	DUAL II (7.8EC)	2.00	LAA	9	2	88	95	96	0	88
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRST RATE	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	2	87	95	94	0	85
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRST RATE	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
14A	DUAL II (7.8EC)	2.00	LAA	9	12	93	93	93	0	90
	B£FIRST RATE	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
15A£	FIRST RATE	0.016	LAA	12	7	43	88	33	0	92
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D SELECT (2EC)	0.094	LAA	13						
	F£COC	1.00	PMV	13						
	G FERTILIZER - 28%UAN	2.5	PMV	13						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
16A£	FIRST RATE	0.016	LAA	12	13	77	92	20	0	87
B	SELECT (2EC)	0.094	LAA	12						
C£	COC	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
17A£	FIRST RATE	0.016	LAA	12	27	90	95	80	3	93
B	BLAZER (2SL)	0.25	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
E	SELECT (2EC)	0.094	LAA	13						
G£	COC	1.00	PMV	13						
H	FERTILIZER - 28%UAN	2.5	PMV	13						
18A£	FIRST RATE	0.016	LAA	12	25	96	95	78	3	78
B	BLAZER (2SL)	0.25	LAA	12						
C	SELECT (2EC)	0.094	LAA	12						
D£	COC	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
19A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
20A£	HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
	LSD (0.05)				5.8	7.5	4.2	17.7	2.1	9.5
	STANDARD DEVIATION				9.5	22.4	20.9	30.4	2.0	20.7

TRIAL # US 709/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
1A	£FIRST RATE	0.031	LAA	7	98	98
	B TREFLAN EC (4EC)	1.00	LAA	7		
2A	£FIRST RATE	0.031	LAA	7	93	91
	B SELECT (2EC)	0.094	LAA	12		
	C£COC	1.00	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
3A	£FIRST RATE	0.031	LAA	7	93	96
	B BLAZER (2SL)	0.25	LAA	12		
	C SELECT (2EC)	0.094	PMV	12		
	D£COC	1.00	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
4A	TREFLAN MTF (4EC)	1.00	LAA	7	87	71
	B£FIRST RATE	0.016	LAA	12		
	C£ACTIVATE PLUS	0.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
5A	TREFLAN MTF (4EC)	1.00	LAA	7	94	90
	B£FIRST RATE	0.016	LAA	12		
	C BLAZER (2SL)	0.25	LAA	12		
	D£ACTIVATE PLUS	0.25	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
6A	DUAL II (7.8EC)	2.00	LAA	9	90	93
	B£FIRST RATE	0.031	LAA	9		
7A	DUAL II (7.8EC)	2.00	LAA	9	88	99
	B SENCOR DF (75WG)	0.188	LAA	9		
	C£FIRST RATE	0.031	LAA	9		
8A	DUAL II (7.8EC)	2.00	LAA	9	99	96
	B SENCOR DF (75WG)	0.375	LAA	9		
	C£FIRST RATE	0.031	LAA	9		
9A	£FIRST RATE	0.031	LAA	9	96	91
	B SELECT (2EC)	0.094	LAA	12		
	C£COC	1.00	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
10A	£FIRST RATE	0.031	LAA	9	96	90
	B SELECT (2EC)	0.094	LAA	12		
	C BLAZER (2SL)	0.25	LAA	12		
	D£COC	1.00	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
11A	DUAL II (7.8EC)	2.00	LAA	9	87	18
	B£FIRST RATE	0.016	LAA	12		
	C£ACTIVATE PLUS	0.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
12A	DUAL II (7.8EC)	2.00	LAA	9	96	96
	B SENCOR DF (75WG)	0.188	LAA	9		
	C£FIRST RATE	0.016	LAA	12		
	D£ACTIVATE PLUS	0.25	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
13A	DUAL II (7.8EC)	2.00	LAA	9	95	93
	B SENCOR DF (75WG)	0.375	LAA	9		
	C£FIRST RATE	0.016	LAA	12		
	D£ACTIVATE PLUS	0.25	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
14A	DUAL II (7.8EC)	2.00	LAA	9	96	82
	B£FIRST RATE	0.016	LAA	12		
	C BLAZER (2SL)	0.25	LAA	12		
	D£ACTIVATE PLUS	0.25	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
15A	£FIRST RATE	0.016	LAA	12	93	32
	B£ACTIVATE PLUS	0.25	PMV	12		
	C FERTILIZER - 28%UAN	2.5	PMV	12		
	D SELECT (2EC)	0.094	LAA	13		
	F£COC	1.00	PMV	13		
	G FERTILIZER - 28%UAN	2.5	PMV	13		

TRIAL # US 709/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
16A£	FIRST RATE	0.016	LAA	12	93	18
	B SELECT (2EC)	0.094	LAA	12		
	C£COC	1.00	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
17A£	FIRST RATE	0.016	LAA	12	92	68
	B BLAZER (2SL)	0.25	LAA	12		
	C£ACTIVATE PLUS	0.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
	E SELECT (2EC)	0.094	LAA	13		
	G£COC	1.00	PMV	13		
	H FERTILIZER - 28%UAN	2.5	PMV	13		
18A£	FIRST RATE	0.016	LAA	12	96	57
	B BLAZER (2SL)	0.25	LAA	12		
	C SELECT (2EC)	0.094	LAA	12		
	D£COC	1.00	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
19A	UNTREATED CHECK	0.00	NA	0	0	0
20A£	HAND WEEDED	0.00	NA	0	99	99
		LSD (0.05)			8.9	18.7
		STANDARD DEVIATION			21.2	32.4

£ = SUPPLEMENTAL CHEMICAL

HERBICIDE COMBINATIONS IN ROUNDUP-READY SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	47	85	90	½F
% REL.HUMIDITY	53	70	33	
WIND DIRECTION	SOUTHWEST	NORTHWEST	NORTHWEST	
WIND SPEED	7.5	5.0	6.0	M/H
SKY CONDITION	OVERCAST	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/12	HGH/13	
RRS AG3001	****/****	****/****	****/****	IN
05-06-96				
*** PEST ***				
VELVETLEAF	HGH/NA	HGH/12	HGH/14	
	****/****	0.50/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/4.00	2.00/6.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/13	HGH/15	
	****/****	3.00/5.00	2.00/8.00	IN

*** TIMING CODES**
09 = PRE
12 = POST
13 = LPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 710/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-08-96	SETFA CON % 07-08-96
1A	MICRO-TECH (4CS)	2.5	LAA	9	0	99	87	99	0	95
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
2A	FRONTIER 6.0L (EC)	1.17	LAA	9	2	99	88	91	0	96
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
3A	PROWL 3.3EC	1.00	LAA	9	0	99	90	99	0	96
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
4A	CANOPY (75WG)	0.28	LAA	9	2	95	95	99	3	95
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
5A	AUTHORITY	0.313	LAA	9	0	91	85	99	2	93
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
6A	FIRST RATE	0.031	LAA	9	2	99	99	99	2	96
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
7A	FRONTIER 6.0L (EC)	0.94	LAA	12	2	99	78	99	0	96
B	ROUNDUP (3SL)	0.56	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
8A	PURSUIT (2SL)	0.063	LAA	12	5	82	78	65	2	82
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
9A	EXPERT	0.07	LAA	12	7	52	82	75	0	12
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
10A	FIRST RATE	0.016	LAA	12	5	13	83	13	0	2
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
11A	ROUNDUP (3SL)	0.56	LAA	12	0	99	82	99	0	98
B	ACTIVATOR 90	0.5	PMV	12						
12A	ROUNDUP (3SL)	0.56	LAA	12	10	99	90	99	5	99
B	PURSUIT (2SL)	0.063	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
13A	ROUNDUP (3SL)	0.56	LAA	12	15	99	88	98	0	96
B	EXPERT	0.07	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
14A	ROUNDUP (3SL)	0.56	LAA	12	7	99	90	99	0	99
B	FIRST RATE	0.016	LAA	12						
C	ACTIVATOR 90	0.5	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
15A	PURSUIT (2SL)	0.063	LAA	12	10	95	82	83	3	98
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	ACTIVATOR 90	0.5	PMV	13						
16A	EXPERT	0.07	LAA	12	3	87	80	78	3	96
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	ACTIVATOR 90	0.5	PMV	13						
17A	FIRST RATE	0.016	LAA	12	7	90	80	82	0	99
B	ACTIVATOR 90	0.5	PMV	12						
C	FERTILIZER - 28%UAN	1.25	PMV	12						
D	ROUNDUP (3SL)	0.56	LAA	13						
E	ACTIVATOR 90	0.5	PMV	13						

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-08-96	SETFA CON % 07-08-96
18A ROUNDUP (3SL)	0.56	LAA	12	5	99	90	98	0	99
B ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D ACTIVATOR 90	0.5	PMV	13						
19A HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				4.0	5.6	7.5	9.0	2.5	4.7
STANDARD DEVIATION				4.5	28.3	20.2	27.9	2.0	33.0

TRIAL # US 710/96/01 001 01 -

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
1A MICRO-TECH (4CS)	2.5	LAA	9	82	99	0	96	85	96
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
2A£FRONTIER 6.0L (EC)	1.17	LAA	9	83	90	0	96	73	86
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
3A PROWL 3.3EC	1.00	LAA	9	85	95	0	95	83	98
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
4A CANOPY (75WG)	0.28	LAA	9	93	99	0	92	93	99
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
5A£AUTHORITY	0.313	LAA	9	87	99	2	90	85	98
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
6A£FIRST RATE	0.031	LAA	9	95	99	0	93	96	99
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
7A£FRONTIER 6.0L (EC)	0.94	LAA	12	73	86	0	93	73	87
B ROUNDUP (3SL)	0.56	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
8A PURSUIT (2SL)	0.063	LAA	12	80	53	2	68	77	33
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
9A£EXPERT	0.07	LAA	12	77	50	0	17	83	43
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
10A£FIRST RATE	0.016	LAA	12	80	13	0	3	83	10
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
11A ROUNDUP (3SL)	0.56	LAA	12	77	93	0	95	77	95
B£ACTIVATOR 90	0.5	PMV	12						
12A ROUNDUP (3SL)	0.56	LAA	12	88	99	2	98	92	98
B PURSUIT (2SL)	0.063	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
13A ROUNDUP (3SL)	0.56	LAA	12	85	95	0	96	87	92
B£EXPERT	0.07	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
14A ROUNDUP (3SL)	0.56	LAA	12	83	98	0	95	83	95
B£FIRST RATE	0.016	LAA	12						
C£ACTIVATOR 90	0.5	PMV	12						
D FERTILIZER - 28%UAN	1.25	PMV	12						
15A PURSUIT (2SL)	0.063	LAA	12	82	80	2	96	85	83
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E£ACTIVATOR 90	0.5	PMV	13						
16A£EXPERT	0.07	LAA	12	82	73	2	96	90	77
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E£ACTIVATOR 90	0.5	PMV	13						
17A£FIRST RATE	0.016	LAA	12	82	75	0	96	85	82
B£ACTIVATOR 90	0.5	PMV	12						
C FERTILIZER - 28%UAN	1.25	PMV	12						
D ROUNDUP (3SL)	0.56	LAA	13						
E£ACTIVATOR 90	0.5	PMV	13						

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
18A ROUNDUP (3SL)	0.56	LAA	12	88	98	0	99	90	99
B ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D ACTIVATOR 90	0.5	PMV	13						
19A HAND WEEDED	0.00	NA	0	99	99	0	99	99	99
20A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				6.6	14.6	2.4	7.7	8.4	10.9
STANDARD DEVIATION				19.7	29.3	1.4	32.1	20.2	30.6

TRIAL # US 710/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-09-96
1A	MICRO-TECH (4CS)	2.5	LAA	9	56.9
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
2A	£FRONTIER 6.0L (EC)	1.17	LAA	9	51.5
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
3A	PROWL 3.3EC	1.00	LAA	9	54.2
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
4A	CANOPY (75WG)	0.28	LAA	9	51.2
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
5A	£AUTHORITY	0.313	LAA	9	52.1
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
6A	£FIRST RATE	0.031	LAA	9	52.7
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
7A	£FRONTIER 6.0L (EC)	0.94	LAA	12	50.9
B	ROUNDUP (3SL)	0.56	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
8A	PURSUIT (2SL)	0.063	LAA	12	48.7
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
9A	£EXPERT	0.07	LAA	12	19.6
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
10A	£FIRST RATE	0.016	LAA	12	19.8
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
11A	ROUNDUP (3SL)	0.56	LAA	12	54.4
B	£ACTIVATOR 90	0.5	PMV	12	
12A	ROUNDUP (3SL)	0.56	LAA	12	54.5
B	PURSUIT (2SL)	0.063	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
D	FERTILIZER - 28%UAN	1.25	PMV	12	
13A	ROUNDUP (3SL)	0.56	LAA	12	52.3
B	£EXPERT	0.07	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
D	FERTILIZER - 28%UAN	1.25	PMV	12	
14A	ROUNDUP (3SL)	0.56	LAA	12	58.5
B	£FIRST RATE	0.016	LAA	12	
C	£ACTIVATOR 90	0.5	PMV	12	
D	FERTILIZER - 28%UAN	1.25	PMV	12	
15A	PURSUIT (2SL)	0.063	LAA	12	56.2
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
D	ROUNDUP (3SL)	0.56	LAA	13	
E	£ACTIVATOR 90	0.5	PMV	13	
16A	£EXPERT	0.07	LAA	12	54.6
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
D	ROUNDUP (3SL)	0.56	LAA	13	
E	£ACTIVATOR 90	0.5	PMV	13	
17A	£FIRST RATE	0.016	LAA	12	52.3
B	£ACTIVATOR 90	0.5	PMV	12	
C	FERTILIZER - 28%UAN	1.25	PMV	12	
D	ROUNDUP (3SL)	0.56	LAA	13	
E	£ACTIVATOR 90	0.5	PMV	13	

TRIAL # US 710/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	YIELD BU/A 10-09-96
18	A ROUNDUP (3SL)	0.56	LAA	12	54.8
	B£ACTIVATOR 90	0.5	PMV	12	
	C ROUNDUP (3SL)	0.56	LAA	13	
	D£ACTIVATOR 90	0.5	PMV	13	
19	A£HAND WEEDED	0.00	NA	0	61.1
20	A UNTREATED CHECK	0.00	NA	0	34.8
		LSD (0.05)			8.5
		STANDARD DEVIATION			11.9

£ = SUPPLEMENTAL CHEMICAL

ROUNDUP-READY SOYBEAN WEED CONTROL IN 30-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	53	70	85	90	½F
% REL.HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	3.0	3.0	8.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/03	
RRS AG3001	****/****	4.00/4.00	5.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/12	HGH/13	HGH/16	
	****/****	1.00/3.00	2.00/6.00	3.00/8.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	HGH/15	
	****/****	0.50/0.50	0.50/1.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	2.00/6.00	IN

*** TIMING CODES**
07 = PPI
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**
03 = SEED IMBIBITION COMPLETE (BUD SWELL ENDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A ROUNDUP (3SL)	0.38	LAA	12	0	95	70	91	0	95
B£ACTIVATOR 90	0.5	PMV	12						
2A ROUNDUP (3SL)	0.56	LAA	12	0	95	77	99	0	95
B£ACTIVATOR 90	0.5	PMV	12						
3A ROUNDUP (3SL)	0.75	LAA	12	7	95	85	94	0	93
B£ACTIVATOR 90	0.5	PMV	12						
4A ROUNDUP (3SL)	0.38	LAA	13	0	98	75	90	0	97
B£ACTIVATOR 90	0.5	PMV	13						
5A ROUNDUP (3SL)	0.56	LAA	13	0	95	73	85	0	95
B£ACTIVATOR 90	0.5	PMV	13						
6A ROUNDUP (3SL)	0.75	LAA	13	10	96	75	80	5	98
B£ACTIVATOR 90	0.5	PMV	13						
7A ROUNDUP (3SL)	0.38	LAA	12	0	99	80	95	0	98
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.38	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
8A ROUNDUP (3SL)	0.56	LAA	12	3	96	86	98	2	96
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
9A£FIRST RATE	0.031	LAA	7	3	87	83	95	0	78
B TREFLAN MTF (4EC)	1.00	LAA	7						
10A PROWL 3.3EC	1.00	LAA	7	2	93	85	88	0	92
B PURSUIT (2SL)	0.063	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
11A PURSUIT (2SL)	0.063	LAA	11	0	78	82	95	0	78
B PINNACLE (25WG)	0.002	LAA	11						
D£ACTIVATOR 90	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
12A CONCERT (25WG)	0.008	LAA	12	5	90	75	92	2	88
B ASSURE II (0.88EC)	0.055	LAA	12						
D£ACTIVATOR 90	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A GALAXY (3.67SL)	0.92	LAA	12	2	94	83	53	2	85
B POAST (1.5EC)	0.3	LAA	12						
D£COC	0.625	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
14A£HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
15A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				3.6	5.5	10.6	11.4	2.2	7.8
STANDARD DEVIATION				3.4	24.1	21.9	25.4	1.7	24.2

TRIAL # US 711/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	YIELD BU/A 10-10-96
1A	ROUNDUP (3SL)	0.38	LAA	12	73	93	52.3
	B£ACTIVATOR 90	0.5	PMV	12			
2A	ROUNDUP (3SL)	0.56	LAA	12	75	98	43.2
	B£ACTIVATOR 90	0.5	PMV	12			
3A	ROUNDUP (3SL)	0.75	LAA	12	87	96	45.8
	B£ACTIVATOR 90	0.5	PMV	12			
4A	ROUNDUP (3SL)	0.38	LAA	13	78	93	44.1
	B£ACTIVATOR 90	0.5	PMV	13			
5A	ROUNDUP (3SL)	0.56	LAA	13	75	88	41.5
	B£ACTIVATOR 90	0.5	PMV	13			
6A	ROUNDUP (3SL)	0.75	LAA	13	82	90	44.6
	B£ACTIVATOR 90	0.5	PMV	13			
7A	ROUNDUP (3SL)	0.38	LAA	12	87	99	46.4
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.38	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
8A	ROUNDUP (3SL)	0.56	LAA	12	88	98	37.7
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.56	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
9A£	FIRST RATE	0.031	LAA	7	83	93	40.8
	B TREFLAN MTF (4EC)	1.00	LAA	7			
10A	PROWL 3.3EC	1.00	LAA	7	85	83	40.6
	B PURSUIT (2SL)	0.063	LAA	11			
	C£SUNIT II	1.00	PMV	11			
	D FERTILIZER - 28%UAN	2.5	PMV	11			
11A	PURSUIT (2SL)	0.063	LAA	11	82	87	41.3
	B PINNACLE (25WG)	0.002	LAA	11			
	D£ACTIVATOR 90	0.25	PMV	11			
	E FERTILIZER - 28%UAN	2.5	PMV	11			
12A	CONCERT (25WG)	0.008	LAA	12	83	85	38.2
	B ASSURE II (0.88EC)	0.055	LAA	12			
	D£ACTIVATOR 90	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
13A	GALAXY (3.67SL)	0.92	LAA	12	88	47	33.1
	B POAST (1.5EC)	0.3	LAA	12			
	D£COC	0.625	PMV	12			
	E FERTILIZER - 28%UAN	1.25	PMV	12			
14A£	HAND WEEDED	0.00	NA	0	99	99	38.5
15A	UNTREATED CHECK	0.00	NA	0	0	0	17.9
			LSD (0.05)		10.4	6.2	14.0
			STANDARD DEVIATION		22.3	25.6	9.9

£ = SUPPLEMENTAL CHEMICAL

ROUNDUP-READY SOYBEAN WEED CONTROL IN 15-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-27-96	MDY
AIR TEMPERATURE	53	69	85	90	½F
% REL.HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	3.0	3.0	8.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	4.00/4.00	5.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/16	
	****/****	0.50/1.00	0.50/1.00	1.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/11	HGH/12	HGH/13	
	****/****	0.50/0.50	2.00/4.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	2.00/6.00	IN

*** TIMING CODES**
07 = PPI
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-07-96	SETFA CON % 07-07-96	ABUTH CON % 07-07-96	CHEAL CON % 07-07-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A	ROUNDUP (3SL)	0.38	LAA	12	0	95	75	99	0	95
	B£ACTIVATOR 90	0.5	PMV	12						
2A	ROUNDUP (3SL)	0.56	LAA	12	0	95	78	99	0	93
	B£ACTIVATOR 90	0.5	PMV	12						
3A	ROUNDUP (3SL)	0.75	LAA	12	0	96	82	99	0	98
	B£ACTIVATOR 90	0.5	PMV	12						
4A	ROUNDUP (3SL)	0.38	LAA	13	0	99	77	96	0	95
	B£ACTIVATOR 90	0.5	PMV	13						
5A	ROUNDUP (3SL)	0.56	LAA	13	0	99	72	88	0	95
	B£ACTIVATOR 90	0.5	PMV	13						
6A	ROUNDUP (3SL)	0.75	LAA	13	0	95	73	88	0	99
	B£ACTIVATOR 90	0.5	PMV	13						
7A	ROUNDUP (3SL)	0.38	LAA	12	0	98	82	98	0	99
	B£ACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.38	LAA	13						
	D£ACTIVATOR 90	0.5	PMV	13						
8A	ROUNDUP (3SL)	0.56	LAA	12	5	98	88	99	2	99
	B£ACTIVATOR 90	0.5	PMV	12						
	C ROUNDUP (3SL)	0.56	LAA	13						
	D£ACTIVATOR 90	0.5	PMV	13						
9A	£FIRST RATE	0.031	LAA	7	2	83	92	98	0	75
	B TREFLAN MTF (4EC)	1.00	LAA	7						
10A	PROWL 3.3EC	1.00	LAA	7	10	91	87	99	8	87
	B PURSUIT (2SL)	0.063	LAA	11						
	C£SUNIT II	1.00	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
11A	PURSUIT (2SL)	0.063	LAA	11	3	87	88	98	0	73
	B PINNACLE (25WG)	0.002	LAA	11						
	D£ACTIVATOR 90	0.25	PMV	11						
	E FERTILIZER - 28%UAN	2.5	PMV	11						
12A	CONCERT (25WG)	0.008	LAA	12	7	95	82	96	5	95
	B ASSURE II (0.88EC)	0.055	LAA	12						
	D£ACTIVATOR 90	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	GALAXY (3.67SL)	0.92	LAA	12	8	93	93	85	5	92
	B POAST (1.5EC)	0.3	LAA	12						
	D£COC	0.625	PMV	12						
	E FERTILIZER - 28%UAN	1.25	PMV	12						
14A	£HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
15A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				2.3	6.8	7.6	6.3	1.7	5.3
	STANDARD DEVIATION				3.6	24.2	22.4	24.5	2.7	24.5

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	YIELD BU/A 10-10-96
1A	ROUNDUP (3SL)	0.38	LAA	12	73	98	44.0
	B£ACTIVATOR 90	0.5	PMV	12			
2A	ROUNDUP (3SL)	0.56	LAA	12	78	99	44.7
	B£ACTIVATOR 90	0.5	PMV	12			
3A	ROUNDUP (3SL)	0.75	LAA	12	82	98	50.0
	B£ACTIVATOR 90	0.5	PMV	12			
4A	ROUNDUP (3SL)	0.38	LAA	13	82	98	41.0
	B£ACTIVATOR 90	0.5	PMV	13			
5A	ROUNDUP (3SL)	0.56	LAA	13	82	98	44.9
	B£ACTIVATOR 90	0.5	PMV	13			
6A	ROUNDUP (3SL)	0.75	LAA	13	78	93	41.7
	B£ACTIVATOR 90	0.5	PMV	13			
7A	ROUNDUP (3SL)	0.38	LAA	12	83	99	46.2
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.38	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
8A	ROUNDUP (3SL)	0.56	LAA	12	92	99	46.1
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.56	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
9A£	FIRST RATE	0.031	LAA	7	85	95	38.7
	B TREFLAN MTF (4EC)	1.00	LAA	7			
10A	PROWL 3.3EC	1.00	LAA	7	88	96	44.2
	B PURSUIT (2SL)	0.063	LAA	11			
	C£SUNIT II	1.00	PMV	11			
	D FERTILIZER - 28%UAN	2.5	PMV	11			
11A	PURSUIT (2SL)	0.063	LAA	11	85	87	42.4
	B PINNACLE (25WG)	0.002	LAA	11			
	D£ACTIVATOR 90	0.25	PMV	11			
	E FERTILIZER - 28%UAN	2.5	PMV	11			
12A	CONCERT (25WG)	0.008	LAA	12	82	95	43.0
	B ASSURE II (0.88EC)	0.055	LAA	12			
	D£ACTIVATOR 90	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
13A	GALAXY (3.67SL)	0.92	LAA	12	93	80	42.5
	B POAST (1.5EC)	0.3	LAA	12			
	D£COC	0.625	PMV	12			
	E FERTILIZER - 28%UAN	1.25	PMV	12			
14A£	HAND WEEDED	0.00	NA	0	99	99	48.1
15A	UNTREATED CHECK	0.00	NA	0	0	0	23.7
			LSD (0.05)		8.8	6.4	5.2
			STANDARD DEVIATION		22.4	24.5	6.5

£ = SUPPLEMENTAL CHEMICAL

ROUNDUP-READY SOYBEAN WEED CONTROL IN 7.5-INCH ROWS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 29 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	06-14-96	06-20-96	06-26-96	MDY
AIR TEMPERATURE	53	69	85	90	½F
% REL.HUMIDITY	50	73	70	33	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	NORTHWEST	
WIND SPEED	12.5	5.0	3.0	6.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	0.00	0.00	0.00	0.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	0.00	0.00	0.00	0.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/11	HGH/12	HGH/13	
RRS AG3001	****/****	3.00/4.00	4.00/5.00	6.00/6.00	IN
05-06-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/11	HGH/12	HGH/16	
	****/****	0.50/1.00	0.50/1.00	1.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/12	HGH/14	HGH/15	
	****/****	0.50/0.50	2.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	HGH/14	
	****/****	1.00/3.00	2.00/4.00	3.00/5.00	IN

*** TIMING CODES**
07 = PPI
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	ABUTH CON % 07-08-96	CHEAL CON % 07-08-96	GLXMA CON % 07-23-96	SETFA CON % 07-23-96
1A ROUNDUP (3SL)	0.38	LAA	12	0	95	70	96	0	96
B£ACTIVATOR 90	0.5	PMV	12						
2A ROUNDUP (3SL)	0.56	LAA	12	2	95	82	99	0	98
B£ACTIVATOR 90	0.5	PMV	12						
3A ROUNDUP (3SL)	0.75	LAA	12	0	95	82	99	0	96
B£ACTIVATOR 90	0.5	PMV	12						
4A ROUNDUP (3SL)	0.38	LAA	13	0	93	73	88	0	98
B£ACTIVATOR 90	0.5	PMV	13						
5A ROUNDUP (3SL)	0.56	LAA	13	7	96	83	93	5	99
B£ACTIVATOR 90	0.5	PMV	13						
6A ROUNDUP (3SL)	0.75	LAA	13	3	99	80	90	0	99
B£ACTIVATOR 90	0.5	PMV	13						
7A ROUNDUP (3SL)	0.38	LAA	12	2	99	78	99	2	93
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.38	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
8A ROUNDUP (3SL)	0.56	LAA	12	0	99	90	99	0	98
B£ACTIVATOR 90	0.5	PMV	12						
C ROUNDUP (3SL)	0.56	LAA	13						
D£ACTIVATOR 90	0.5	PMV	13						
9A£FIRST RATE	0.031	LAA	7	0	95	85	99	0	90
B TREFLAN MTF (4EC)	1.00	LAA	7						
10A PROWL 3.3EC	1.00	LAA	7	5	97	90	99	2	95
B PURSUIT (2SL)	0.063	LAA	11						
C£SUNIT II	1.00	PMV	11						
D FERTILIZER - 28%UAN	2.5	PMV	11						
11A PURSUIT (2SL)	0.063	LAA	11	5	80	82	96	0	77
B PINNACLE (25WG)	0.002	LAA	11						
D£ACTIVATOR 90	0.25	PMV	11						
E FERTILIZER - 28%UAN	2.5	PMV	11						
12A CONCERT (25WG)	0.008	LAA	12	10	87	80	90	3	93
B ASSURE II (0.88EC)	0.055	LAA	12						
D£ACTIVATOR 90	0.25	PMV	12						
E FERTILIZER - 28%UAN	2.5	PMV	12						
13A GALAXY (3.67SL)	0.92	LAA	12	10	92	93	73	3	92
B POAST (1.5EC)	0.3	LAA	12						
D£COC	0.625	PMV	12						
E FERTILIZER - 28%UAN	1.25	PMV	12						
14A£HAND WEEDED	0.00	NA	0	0	99	99	99	0	99
15A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				2.3	4.0	6.4	8.2	3.4	5.8
STANDARD DEVIATION				3.7	24.1	22.3	24.8	2.3	24.3

TRIAL # US 713/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	YIELD BU/A 10-10-96
1A	ROUNDUP (3SL)	0.38	LAA	12	77	99	47.2
	B£ACTIVATOR 90	0.5	PMV	12			
2A	ROUNDUP (3SL)	0.56	LAA	12	87	99	42.3
	B£ACTIVATOR 90	0.5	PMV	12			
3A	ROUNDUP (3SL)	0.75	LAA	12	87	98	46.6
	B£ACTIVATOR 90	0.5	PMV	12			
4A	ROUNDUP (3SL)	0.38	LAA	13	77	95	45.8
	B£ACTIVATOR 90	0.5	PMV	13			
5A	ROUNDUP (3SL)	0.56	LAA	13	78	98	39.6
	B£ACTIVATOR 90	0.5	PMV	13			
6A	ROUNDUP (3SL)	0.75	LAA	13	77	96	46.6
	B£ACTIVATOR 90	0.5	PMV	13			
7A	ROUNDUP (3SL)	0.38	LAA	12	83	96	43.7
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.38	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
8A	ROUNDUP (3SL)	0.56	LAA	12	85	99	42.5
	B£ACTIVATOR 90	0.5	PMV	12			
	C ROUNDUP (3SL)	0.56	LAA	13			
	D£ACTIVATOR 90	0.5	PMV	13			
9A	£FIRST RATE	0.031	LAA	7	85	99	43.1
	B TREFLAN MTF (4EC)	1.00	LAA	7			
10A	PROWL 3.3EC	1.00	LAA	7	90	99	46.1
	B PURSUIT (2SL)	0.063	LAA	11			
	C£SUNIT II	1.00	PMV	11			
	D FERTILIZER - 28%UAN	2.5	PMV	11			
11A	PURSUIT (2SL)	0.063	LAA	11	87	95	41.6
	B PINNACLE (25WG)	0.002	LAA	11			
	D£ACTIVATOR 90	0.25	PMV	11			
	E FERTILIZER - 28%UAN	2.5	PMV	11			
12A	CONCERT (25WG)	0.008	LAA	12	80	95	40.7
	B ASSURE II (0.88EC)	0.055	LAA	12			
	D£ACTIVATOR 90	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
13A	GALAXY (3.67SL)	0.92	LAA	12	95	63	40.6
	B POAST (1.5EC)	0.3	LAA	12			
	D£COC	0.625	PMV	12			
	E FERTILIZER - 28%UAN	1.25	PMV	12			
14A	£HAND WEEDED	0.00	NA	0	99	99	39.7
15A	UNTREATED CHECK	0.00	NA	0	0	0	30.1
			LSD (0.05)		9.8	9.4	6.0
			STANDARD DEVIATION		22.6	25.6	5.1

£ = SUPPLEMENTAL CHEMICAL

BASAGRAN/PINNACLE INTERACTION IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-20-96	MDY
AIR TEMPERATURE	80	½F
% REL.HUMIDITY	52	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9305	****/****	IN
05-14-96		

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 1.5 lb Dual II 5-14-96

TRIAL # US 715/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	GLXMA CON % 07-23-96	YIELD BU/A 10-04-96
1A	PINNACLE (25WG)	0.002	LAA	12	5	12	37.7
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
2A	BASAGRAN (4SL)	0.25	LAA	12	0	10	38.6
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
3A	BASAGRAN (4SL)	0.38	LAA	12	0	8	40.8
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
4A	BASAGRAN (4SL)	0.5	LAA	12	0	7	43.1
B	PINNACLE (25WG)	0.002	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
5A	PINNACLE (25WG)	0.004	LAA	12	15	25	41.1
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
6A	UNTREATED CHECK	0.00	NA	0	0	0	30.3
7A	BASAGRAN (4SL)	0.25	LAA	12	13	30	38.0
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
8A	BASAGRAN (4SL)	0.38	LAA	12	5	15	39.9
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
9A	BASAGRAN (4SL)	0.5	LAA	12	3	17	38.6
B	PINNACLE (25WG)	0.004	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
10A	PINNACLE (25WG)	0.008	LAA	12	28	43	35.8
B	POAST PLUS (1EC)	0.188	LAA	12			
C	FERTILIZER - 28%UAN	2.5	PMV	12			
11A	BASAGRAN (4SL)	0.25	LAA	12	17	35	36.0
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
12A	BASAGRAN (4SL)	0.38	LAA	12	10	32	38.3
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
13A	BASAGRAN (4SL)	0.5	LAA	12	7	18	40.5
B	PINNACLE (25WG)	0.008	LAA	12			
C	POAST PLUS (1EC)	0.188	LAA	12			
D	FERTILIZER - 28%UAN	2.5	PMV	12			
14A£	HAND WEEDED	0.00	NA	0	0	0	41.9
	LSD (0.05)				4.4	6.2	6.6
	STANDARD DEVIATION				8.4	13.1	4.4

£ = SUPPLEMENTAL CHEMICAL

CONTROL OF VOLUNTEER POAST RESISTANT CORN IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 5.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-14-96	06-27-96	MDY
AIR TEMPERATURE	69	90	½F
% REL.HUMIDITY	73	33	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	3.0	6.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/11	HGH/13	
PIONEER 9305	****/****	****/****	IN
05-14-96			
*** PEST ***			
CORN, DENT	HGH/12	HGH/15	
DK592	****/****	****/****	IN
05-14-96			

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket application 1.5 lb Dual II 5-14-96

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-07-96	ZEAMD CON % 07-07-96	GLXMA CON % 07-23-96	ZEAMD CON % 07-23-96
1A	ASSURE II (0.88EC)	0.055	LAA	12	0	13	0	15
	B£COC	1.00	PMV	12				
2A	FUSION (2.66EC)	0.167	LAA	12	0	12	0	12
	B£COC	1.00	PMV	12				
3A	FUSILADE DX (2EC)	0.125	LAA	12	0	10	0	15
	B£COC	1.00	PMV	12				
4A	SELECT (2EC)	0.094	LAA	12	0	37	0	35
	B£COC	1.00	PMV	12				
5A	SELECT (2EC)	0.125	LAA	12	0	47	0	43
	B£COC	1.00	PMV	12				
6A	SELECT (2EC)	0.188	LAA	12	0	60	0	50
	B£COC	1.00	PMV	12				
7A	SELECT (2EC)	0.094	LAA	12	0	32	0	52
	B£COC	1.00	PMV	12				
	C SELECT (2EC)	0.094	LAA	13				
	D£COC	1.00	PMV	13				
8A	SCEPTER (1.5SL)	0.063	LAA	12	0	58	0	70
	B£COC	1.00	LAA	12				
9A	£HAND WEEDED	0.00	NA	0	0	99	0	99
10A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
11A	PURSUIT (2SL)	0.063	LAA	11	2	87	0	83
	B SCEPTER 70DG (WG)	0.063	LAA	11				
	C£COC	1.00	PMV	11				
12A	£RAPTOR	0.04	LAA	12	5	70	0	77
	B£COC	1.00	PMV	12				
	LSD (0.05)				1.4	8.2	0.0	9.4
	STANDARD DEVIATION				1.6	30.9	0.0	30.8

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE WEED CONTROL IN NO-TILL DRILLED SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 33 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-28-96	MDY
AIR TEMPERATURE	95	½F
% REL.HUMIDITY	32	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	10.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/12	
PIONEER 9305	3.00/5.00	IN
05-14-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	1.00/3.00	IN
LAMBSQUARTERS, C	HGH/14	
	1.00/2.00	IN
SMARTWEED, PENNS	HGH/15	
	2.00/7.00	IN
FOXTAIL, GIANT	HGH/14	
	1.00/5.00	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

Blanket burndown 0.56 lb Roundup, 0.5 lb 2,4-D LV4 and 1.0% COC 5-14-96

TRIAL # US 717/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-07-96	SETFA CON % 07-07-96	ABUTH CON % 07-07-96	POLPY CON % 07-07-96	CHEAL CON % 07-07-96	GLXMA CON % 07-23-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
2A	£TWISTER	0.416	LAA	12	10	88	99	98	99	3
B	£METH OIL	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	£TWISTER	0.512	LAA	12	10	90	99	93	99	7
B	£METH OIL	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
4A	£FLEXSTAR HL	0.313	LAA	12	10	88	98	95	98	7
B	FUSION (2.66EC)	0.208	LAA	12						
C	£METH OIL	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	REFLEX 2LC (2SL)	0.313	LAA	12	10	92	99	92	98	5
B	FUSION (2.66EC)	0.208	LAA	12						
C	£METH OIL	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
6A	£FLEXSTAR HL	0.313	LAA	12	10	87	98	98	99	3
B	PINNACLE (25WG)	0.002	LAA	12						
C	FUSION (2.66EC)	0.208	LAA	12						
D	£METH OIL	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
7A	£FLEXSTAR HL	0.125	LAA	12	8	87	98	93	99	2
B	PURSUIT (2SL)	0.063	LAA	12						
C	£METH OIL	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
8A	£FLEXSTAR HL	0.125	LAA	12	13	90	99	99	99	7
B	£RAPTOR	0.041	LAA	12						
C	£METH OIL	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	REFLEX 2LC (2SL)	0.125	LAA	12	12	92	99	99	99	2
B	PURSUIT (2SL)	0.063	LAA	12						
C	£METH OIL	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
10A	£RAPTOR	0.041	LAA	12	20	87	96	95	99	7
B	£METH OIL	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	PURSUIT (2SL)	0.063	LAA	12	7	78	90	85	93	2
B	£METH OIL	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	CONCERT (25WG)	0.008	LAA	12	27	62	96	91	91	17
B	ASSURE II (0.88EC)	0.048	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
13A	£EXPERT	0.07	LAA	12	23	65	99	88	95	20
B	ASSURE II (0.88EC)	0.055	LAA	12						
C	£ACTIVATE PLUS	0.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	GALAXY (3.67SL)	0.92	LAA	12	12	83	99	98	99	5
B	POAST (1.5EC)	0.3	LAA	12						
C	£COC	0.625	PMV	12						
D	FERTILIZER - 28%UAN	1.25	PMV	12						
	LSD (0.05)				4.0	6.6	6.9	7.2	7.3	4.4
	STANDARD DEVIATION				6.9	23.6	25.5	24.8	25.5	6.0

TRIAL # US 717/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96	POLPY CON % 07-23-96
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
2A	£TWISTER	0.416	LAA	12	85	98	98	96
B	£METH OIL	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
3A	£TWISTER	0.512	LAA	12	85	98	96	94
B	£METH OIL	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
4A	£FLEXSTAR HL	0.313	LAA	12	78	98	98	88
B	FUSION (2.66EC)	0.208	LAA	12				
C	£METH OIL	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
5A	REFLEX 2LC (2SL)	0.313	LAA	12	83	98	98	80
B	FUSION (2.66EC)	0.208	LAA	12				
C	£METH OIL	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
6A	£FLEXSTAR HL	0.313	LAA	12	80	99	99	98
B	PINNACLE (25WG)	0.002	LAA	12				
C	FUSION (2.66EC)	0.208	LAA	12				
D	£METH OIL	1.00	PMV	12				
E	FERTILIZER - 28%UAN	2.5	PMV	12				
7A	£FLEXSTAR HL	0.125	LAA	12	77	99	98	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	£METH OIL	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
8A	£FLEXSTAR HL	0.125	LAA	12	83	99	99	96
B	£RAPTOR	0.041	LAA	12				
C	£METH OIL	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
9A	REFLEX 2LC (2SL)	0.125	LAA	12	78	99	94	99
B	PURSUIT (2SL)	0.063	LAA	12				
C	£METH OIL	1.00	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
10A	£RAPTOR	0.041	LAA	12	93	99	99	91
B	£METH OIL	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
11A	PURSUIT (2SL)	0.063	LAA	12	87	98	93	96
B	£METH OIL	1.00	PMV	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
12A	CONCERT (25WG)	0.008	LAA	12	88	94	96	99
B	ASSURE II (0.88EC)	0.048	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
13A	£EXPERT	0.07	LAA	12	58	98	98	99
B	ASSURE II (0.88EC)	0.055	LAA	12				
C	£ACTIVATE PLUS	0.25	PMV	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
14A	GALAXY (3.67SL)	0.92	LAA	12	75	98	99	99
B	POAST (1.5EC)	0.3	LAA	12				
C	£COC	0.625	PMV	12				
D	FERTILIZER - 28%UAN	1.25	PMV	12				
	LSD (0.05)				7.4	4.6	4.8	7.5
	STANDARD DEVIATION				22.5	25.3	25.2	25.2

£ = SUPPLEMENTAL CHEMICAL

GIANT RAGWEED CONTROL IN SOYBEANS WITH FIRSTRATE APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	07	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-06-96	05-06-96	06-14-96	06-20-96	07-01-96	MDY
AIR TEMPERATURE	54	50	69	85	91	½F
% REL.HUMIDITY	47	50	73	70	29	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	12.5	12.5	3.0	7.5	10.0	M/H
SKY CONDITION	CLOUDY	CLOUDY	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE					
*** CROP ***						
SOYBEAN	HGH/NA	HGH/NA	HGH/11	HGH/12	HGH/13	
PIONEER 9281	****/****	****/****	3.00/4.00	4.00/5.00	6.00/6.00	IN
05-06-96						
*** PEST ***						
RAGWEED, GIANT	HGH/NA	HGH/NA	HGH/11	HGH/14	HGH/17	
	****/****	****/****	1.00/2.00	3.00/4.00	12.0/18.0	IN

*** TIMING CODES**

07 = PPI
09 = PRE
11 = EPOST
12 = POST
13 = LPOST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 718/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHLOR 10DAT	STUNT 10DAT	AMBTR 10DAT	GLXMA 40DAT	AMBTR 40DAT	GLXMA 60DAT
1A	£FIRST RATE	0.031	LAA	7	0	0	78	0	65	0
2A	£FIRST RATE	0.031	LAA	9	0	0	90	0	88	0
3A	£FIRST RATE	0.031	LAA	9	0	0	99	0	99	0
	B£HAND WEEDED	0.00	NA	9						
4A	£FIRST RATE	0.016	LAA	11	0	0	93	0	83	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
5A	£FIRST RATE	0.024	LAA	11	20	10	85	3	90	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
6A	£FIRST RATE	0.024	LAA	11	0	0	99	0	99	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D£HAND WEEDED	0.00	NA	0						
7A	£FIRST RATE	0.016	LAA	11	10	8	93	0	86	0
	B£ACTIVATE PLUS	0.25	PMV	11						
	C FERTILIZER - 28%UAN	2.5	PMV	11						
	D COBRA (2EC)	0.063	LAA	11						
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
9A	£HAND WEEDED	0.00	NA	0	0	0	99	0	99	0
10A	PURSUIT (2SL)	0.063	LAA	11	8	10	88	0	78	0
	B COBRA (2EC)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	2.5	PMV	11						
11A	£FIRST RATE	0.016	LAA	12	0	0	99	0	98	0
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
12A	£FIRST RATE	0.024	LAA	12	0	0	95	0	98	0
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
13A	£FIRST RATE	0.024	LAA	12	0	0	99	0	99	0
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D£HAND WEEDED	0.00	NA	0						
14A	£FIRST RATE	0.024	LAA	12	0	0	90	0	95	0
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D COBRA (2EC)	0.063	LAA	12						
15A	£FIRST RATE	0.016	LAA	13	0	0	45	0	47	0
	B£ACTIVATE PLUS	0.25	PMV	13						
	C FERTILIZER - 28%UAN	2.5	PMV	13						
16A	£FIRST RATE	0.024	LAA	13	0	3	48	0	57	0
	B£ACTIVATE PLUS	0.25	PMV	13						
	C FERTILIZER - 28%UAN	2.5	PMV	13						
17A	£FIRST RATE	0.024	LAA	13	0	0	99	0	99	0
	B£ACTIVATE PLUS	0.25	PMV	13						
	C FERTILIZER - 28%UAN	2.5	PMV	13						
	D£HAND WEEDED	0.00	NA	0						
18A	£FIRST RATE	0.024	LAA	13	0	12	52	0	67	0
	B£ACTIVATE PLUS	0.25	PMV	13						
	C FERTILIZER - 28%UAN	2.5	PMV	13						
	D COBRA (2EC)	0.063	LAA	13						
	LSD (0.05)				1.0	2.5	6.8	1.0	12.1	0.0
	STANDARD DEVIATION				4.8	4.1	39.3	0.9	26.7	0.0

TRIAL # US 718/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMBTR 6DDAT
1	A£FIRST RATE	0.031	LAA	7	68
2	A£FIRST RATE	0.031	LAA	9	95
3	A£FIRST RATE	0.031	LAA	9	99
	B£HAND WEEDED	0.00	NA	9	
4	A£FIRST RATE	0.016	LAA	11	87
	B£ACTIVATE PLUS	0.25	PMV	11	
	C FERTILIZER - 28%UAN	2.5	PMV	11	
5	A£FIRST RATE	0.024	LAA	11	93
	B£ACTIVATE PLUS	0.25	PMV	11	
	C FERTILIZER - 28%UAN	2.5	PMV	11	
6	A£FIRST RATE	0.024	LAA	11	99
	B£ACTIVATE PLUS	0.25	PMV	11	
	C FERTILIZER - 28%UAN	2.5	PMV	11	
	D£HAND WEEDED	0.00	NA	0	
7	A£FIRST RATE	0.016	LAA	11	90
	B£ACTIVATE PLUS	0.25	PMV	11	
	C FERTILIZER - 28%UAN	2.5	PMV	11	
	D COBRA (2EC)	0.063	LAA	11	
8	A UNTREATED CHECK	0.00	NA	0	0
9	A£HAND WEEDED	0.00	NA	0	99
10	A PURSUIT (2SL)	0.063	LAA	11	87
	B COBRA (2EC)	0.063	LAA	11	
	C£SUNIT II	0.75	PMV	11	
	D FERTILIZER - 28%UAN	2.5	PMV	11	
11	A£FIRST RATE	0.016	LAA	12	96
	B£ACTIVATE PLUS	0.25	PMV	12	
	C FERTILIZER - 28%UAN	2.5	PMV	12	
12	A£FIRST RATE	0.024	LAA	12	98
	B£ACTIVATE PLUS	0.25	PMV	12	
	C FERTILIZER - 28%UAN	2.5	PMV	12	
13	A£FIRST RATE	0.024	LAA	12	98
	B£ACTIVATE PLUS	0.25	PMV	12	
	C FERTILIZER - 28%UAN	2.5	PMV	12	
	D£HAND WEEDED	0.00	NA	0	
14	A£FIRST RATE	0.024	LAA	12	97
	B£ACTIVATE PLUS	0.25	PMV	12	
	C FERTILIZER - 28%UAN	2.5	PMV	12	
	D COBRA (2EC)	0.063	LAA	12	
15	A£FIRST RATE	0.016	LAA	13	53
	B£ACTIVATE PLUS	0.25	PMV	13	
	C FERTILIZER - 28%UAN	2.5	PMV	13	
16	A£FIRST RATE	0.024	LAA	13	75
	B£ACTIVATE PLUS	0.25	PMV	13	
	C FERTILIZER - 28%UAN	2.5	PMV	13	
17	A£FIRST RATE	0.024	LAA	13	99
	B£ACTIVATE PLUS	0.25	PMV	13	
	C FERTILIZER - 28%UAN	2.5	PMV	13	
	D£HAND WEEDED	0.00	NA	0	
18	A£FIRST RATE	0.024	LAA	13	78
	B£ACTIVATE PLUS	0.25	PMV	13	
	C FERTILIZER - 28%UAN	2.5	PMV	13	
	D COBRA (2EC)	0.063	LAA	13	

LSD (0.05)	8.0
STANDARD DEVIATION	22.3

£ = SUPPLEMENTAL CHEMICAL

INFLUENCE OF ADJUVANT AND SPRAY VOLUME ON RAPTOR APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 7.0
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: DEKALB

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06-20-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	45	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	0.00	
VOLUME UNIT	GPA	
PRESSURE	40.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/13	
PIONEER 9281	****/****	IN
05-06-96		
*** PEST ***		
VELVETLEAF	HGH/13	
	****/****	IN
RAGWEED, GIANT	HGH/15	
	4.00/8.00	IN
LAMBSQUARTERS, C	HGH/14	
	1.00/3.00	IN
FOXTAIL, GIANT	HGH/13	
	****/****	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	AMBTR CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-23-96
1A	£RAPTOR	0.023	LAA	12	3	68	62	60	57	2
B	£PERSIST	1.25	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
2A	£RAPTOR	0.023	LAA	12	5	72	65	65	58	3
B	£PERSIST	1.88	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
3A	£RAPTOR	0.023	LAA	12	2	73	65	58	53	7
B	£PERSIST	1.00	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
4A	£RAPTOR	0.023	LAA	12	20	73	67	62	60	13
B	£PERSIST	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
5A	£RAPTOR	0.023	LAA	12	3	75	75	68	60	5
B	£PERSIST LWV	1.25	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
6A	£RAPTOR	0.023	LAA	12	5	77	72	68	67	8
B	£PERSIST LWV	1.88	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
7A	£RAPTOR	0.023	LAA	12	7	72	77	67	63	8
B	£PERSIST LWV	1.00	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
8A	£RAPTOR	0.023	LAA	12	3	70	70	63	63	7
B	£PERSIST LWV	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
9A	£RAPTOR	0.023	LAA	12	3	77	73	68	63	8
B	£PERSIST RTS	3.3	PMV	12						
C	15-GPA			0						
10A	£RAPTOR	0.023	LAA	12	5	72	72	67	68	10
B	£PERSIST RTS	5.00	PMV	12						
C	10-GPA			0						
11A	£RAPTOR	0.023	LAA	12	2	75	70	57	63	7
B	£COC	1.67	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
12A	£RAPTOR	0.023	LAA	12	5	77	63	57	63	5
B	£COC	2.5	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
13A	£RAPTOR	0.023	LAA	12	2	67	62	58	62	10
B	£COC	1.00	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
14A	£RAPTOR	0.023	LAA	12	5	72	62	62	65	10
B	£COC	1.00	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						
15A	£RAPTOR	0.023	LAA	12	2	70	70	58	65	12
B	£SUNIT II	1.25	PMV	12						
C	FERTILIZER - 28%UAN	1.67	PMV	12						
D	15-GPA			0						
16A	£RAPTOR	0.023	LAA	12	3	72	65	67	60	8
B	£SUNIT II	1.88	PMV	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	10-GPA			0						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-01-96	SETFA CON % 07-01-96	AMBTR CON % 07-01-96	ABUTH CON % 07-01-96	CHEAL CON % 07-01-96	GLXMA CON % 07-23-96
17	A£RAPTOR	0.023	LAA	12	3	72	68	62	55	7
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	1.67	PMV	12						
	D 15-GPA			0						
18	A£RAPTOR	0.023	LAA	12	5	67	67	65	53	5
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D 10-GPA			0						
19	A£RAPTOR	0.023	LAA	12	2	78	70	60	63	7
	B£PX 3096	5.00	PMV	12						
	C 15-GPA			0						
20	A£RAPTOR	0.023	LAA	12	5	77	73	63	60	8
	B£PX 3096	5.00	PMV	12						
	C 10-GPA			0						
21	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				5.1	6.3	7.7	6.4	6.1	6.1
	STANDARD DEVIATION				4.6	16.1	15.7	14.4	13.9	4.3

TRIAL # US 719/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	AMBTR CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
1	AÉRAPTOR	0.023	LAA	12	93	65	88	95
	BÉPERSIST	1.25	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
2	AÉRAPTOR	0.023	LAA	12	93	77	90	98
	BÉPERSIST	1.88	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
3	AÉRAPTOR	0.023	LAA	12	93	72	93	96
	BÉPERSIST	1.00	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
4	AÉRAPTOR	0.023	LAA	12	93	75	91	94
	BÉPERSIST	1.00	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
5	AÉRAPTOR	0.023	LAA	12	93	80	96	96
	BÉPERSIST LWV	1.25	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
6	AÉRAPTOR	0.023	LAA	12	95	80	94	98
	BÉPERSIST LWV	1.88	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
7	AÉRAPTOR	0.023	LAA	12	95	82	96	99
	BÉPERSIST LWV	1.00	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
8	AÉRAPTOR	0.023	LAA	12	95	78	95	99
	BÉPERSIST LWV	1.00	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
9	AÉRAPTOR	0.023	LAA	12	95	85	92	99
	BÉPERSIST RTS	3.3	PMV	12				
	C 15-GPA			0				
10	AÉRAPTOR	0.023	LAA	12	95	82	96	99
	BÉPERSIST RTS	5.00	PMV	12				
	C 10-GPA			0				
11	AÉRAPTOR	0.023	LAA	12	95	78	89	98
	BÉCOC	1.67	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
12	AÉRAPTOR	0.023	LAA	12	95	77	91	99
	BÉCOC	2.5	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
13	AÉRAPTOR	0.023	LAA	12	95	65	91	98
	BÉCOC	1.00	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
14	AÉRAPTOR	0.023	LAA	12	93	68	91	99
	BÉCOC	1.00	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
15	AÉRAPTOR	0.023	LAA	12	95	73	94	98
	BÉSUNIT II	1.25	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
16	AÉRAPTOR	0.023	LAA	12	95	73	92	99
	BÉSUNIT II	1.88	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				

TRIAL # US 719/96/01 001 01 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-23-96	AMBTR CON % 07-23-96	ABUTH CON % 07-23-96	CHEAL CON % 07-23-96
17	A£RAPTOR	0.023	LAA	12	95	77	95	94
	B£SUNIT II	1.00	PMV	12				
	C FERTILIZER - 28%UAN	1.67	PMV	12				
	D 15-GPA			0				
18	A£RAPTOR	0.023	LAA	12	95	72	95	91
	B£SUNIT II	1.00	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D 10-GPA			0				
19	A£RAPTOR	0.023	LAA	12	95	70	96	96
	B£PX 3096	5.00	PMV	12				
	C 15-GPA			0				
20	A£RAPTOR	0.023	LAA	12	95	80	96	99
	B£PX 3096	5.00	PMV	12				
	C 10-GPA			0				
21	A UNTREATED CHECK	0.00	NA	0	0	0	0	0
	LSD (0.05)				2.2	12.3	7.3	5.2
	STANDARD DEVIATION				20.2	18.2	20.9	21.0

£ = SUPPLEMENTAL CHEMICAL

IMIS ON WATERHEMP IN STS SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 2.2
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-20-96	MDY
AIR TEMPERATURE	85	93	½F
% REL.HUMIDITY	35	48	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	10.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/11	
ASGROW A3304STS	****/****	4.00/4.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/14	
	****/****	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 441/96/01 001 06 - SRESWH3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 06-05-96	GLXMA CON % 06-20-96	AMATA CON % 06-20-96	GLXMA CON % 06-28-96	AMATA CON % 06-28-96	GLXMA CON % 07-22-96
1A	PROWL 3.3EC	1.24	LAA	9	97	13	93	20	99	20
B	PURSUIT (2SL)	0.063	LAA	11						
C	£STATUS 2EC	0.156	LAA	11						
D	£COC	1.25	PMV	11						
E	FERTILIZER - 28%UAN	1.25	PMV	11						
2A	GALAXY (3.67SL)	0.92	LAA	11	0	0	0	8	99	10
B	POAST PLUS (1EC)	0.25	LAA	11						
C	£COC	1.25	PMV	11						
3A	£RAPTOR 1AS	0.039	LAA	11	0	0	0	12	99	10
B	£STATUS 2EC	0.156	LAA	11						
C	£COC	1.25	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
4A	CONCERT (25WG)	0.0078	LAA	11	0	0	0	2	80	8
B	ASSURE II (0.88EC)	0.055	LAA	11						
C	£COC	1.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
5A	CLASSIC (25WG)	0.005	LAA	11	0	0	0	10	99	7
B	PINNACLE (25WG)	0.0028	LAA	11						
C	COBRA (2EC)	0.063	LAA	11						
D	ASSURE II (0.88EC)	0.055	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	2.5	PMV	11						
6A	CLASSIC (25WG)	0.01	LAA	11	0	0	0	8	99	13
B	PINNACLE (25WG)	0.0034	LAA	11						
C	COBRA (2EC)	0.063	LAA	11						
D	ASSURE II (0.88EC)	0.055	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	2.5	PMV	11						
7A	PROWL 3.3EC	1.24	LAA	9	97	13	95	20	99	17
B	PURSUIT (2SL)	0.063	LAA	11						
C	PINNACLE (25WG)	0.002	LAA	11						
D	£STATUS 2EC	0.156	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	1.25	PMV	11						
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				1.8	4.2	1.8	4.9	0.4	9.6
	STANDARD DEVIATION				42.2	6.1	40.8	7.2	32.4	7.1

TRIAL # US 441/96/01 001 06 - SRESWH3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 07-22-96	SETFA CON % 07-22-96
1A	PROWL 3.3EC	1.24	LAA	9	95	70
B	PURSUIT (2SL)	0.063	LAA	11		
C£	STATUS 2EC	0.156	LAA	11		
D£	COC	1.25	PMV	11		
E	FERTILIZER - 28%UAN	1.25	PMV	11		
2A	GALAXY (3.67SL)	0.92	LAA	11	93	96
B	POAST PLUS (1EC)	0.25	LAA	11		
C£	COC	1.25	PMV	11		
3A£	RAPTOR 1AS	0.039	LAA	11	96	98
B£	STATUS 2EC	0.156	LAA	11		
C£	COC	1.25	PMV	11		
D	FERTILIZER - 28%UAN	1.25	PMV	11		
4A	CONCERT (25WG)	0.0078	LAA	11	88	94
B	ASSURE II (0.88EC)	0.055	LAA	11		
C£	COC	1.25	PMV	11		
D	FERTILIZER - 28%UAN	2.5	PMV	11		
5A	CLASSIC (25WG)	0.005	LAA	11	97	93
B	PINNACLE (25WG)	0.0028	LAA	11		
C	COBRA (2EC)	0.063	LAA	11		
D	ASSURE II (0.88EC)	0.055	LAA	11		
E£	COC	1.25	PMV	11		
F	FERTILIZER - 28%UAN	2.5	PMV	11		
6A	CLASSIC (25WG)	0.01	LAA	11	99	98
B	PINNACLE (25WG)	0.0034	LAA	11		
C	COBRA (2EC)	0.063	LAA	11		
D	ASSURE II (0.88EC)	0.055	LAA	11		
E£	COC	1.25	PMV	11		
F	FERTILIZER - 28%UAN	2.5	PMV	11		
7A	PROWL 3.3EC	1.24	LAA	9	96	96
B	PURSUIT (2SL)	0.063	LAA	11		
C	PINNACLE (25WG)	0.002	LAA	11		
D£	STATUS 2EC	0.156	LAA	11		
E£	COC	1.25	PMV	11		
F	FERTILIZER - 28%UAN	1.25	PMV	11		
8A	UNTREATED CHECK	0.00	NA	0	0	0
			LSD (0.05)		8.8	3.3
			STANDARD DEVIATION		31.8	31.7

£ = SUPPLEMENTAL CHEMICAL

 PREEMERGENCE HERBS. FOR WATERHEMP CONTROL IN SOYS.
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 2.2
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-24-96	MDY
AIR TEMPERATURE	85	87	½F
% REL.HUMIDITY	35	48	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	10.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/14	
PIONEER 9362	****/****	6.00/8.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/18	
	****/****	4.00/6.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 443/96/01 001 03 - SRESWH5 ALTAMONT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-05-96	AMATA CON % 06-05-96	GLXMA CON % 06-20-96	AMATA CON % 06-20-96	GLXMA CON % 06-29-96	AMATA CON % 06-29-96
1A	£AXIOM	0.68	LAA	9	0	98	8	92	0	85
2A	£AXIOM	0.77	LAA	9	0	99	12	90	0	77
3A	DUAL II (7.8EC)	1.95	LAA	9	0	99	10	90	0	83
4A	£FRONTIER 6.0EC	1.29	LAA	9	0	99	7	91	0	85
5A	TURBO 8EC	2.5	LAA	9	0	99	8	96	0	90
6A	SQUADRON (2.33EC)	0.87	LAA	9	0	99	7	96	3	99
7A	SQUADRON (2.33EC)	0.87	LAA	9	0	99	8	99	3	99
B	SENCOR DF (75WG)	0.38	LAA	9						
8A	PROWL 3.3EC	1.03	LAA	9	0	99	20	87	12	97
B	PURSUIT (2SL)	0.063	LAA	12						
C	£SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	£AXIOM	0.68	LAA	9	0	98	12	82	15	99
B	£FLEXSTAR 1.88ME	0.313	LAA	12						
C	£MSO	1.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
10A	DUAL II (7.8EC)	1.95	LAA	9	0	99	7	88	15	99
B	£FLEXSTAR 1.88ME	0.313	LAA	12						
C	£MSO	1.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
11A	£FRONTIER 6.0EC	1.29	LAA	9	0	99	17	91	30	99
B	£FLEXSTAR 1.88ME	0.313	LAA	12						
C	£MSO	1.25	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
12A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
13A	PROWL 3.3EC	1.03	LAA	9	0	98	3	82	15	96
B	SENCOR DF (75WG)	0.281	LAA	9						
C	PURSUIT (2SL)	0.063	LAA	12						
D	£SUNIT II	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
14A	PROWL 3.3EC	1.03	LAA	9	0	97	10	87	12	97
B	SENCOR DF (75WG)	0.375	LAA	9						
C	PURSUIT (2SL)	0.063	LAA	12						
D	£SUNIT II	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
	LSD (0.05)				0.0	1.7	12.3	10.9	10.2	7.7
	STANDARD DEVIATION				0.0	25.4	8.0	24.4	10.0	25.2

TRIAL # US 443/96/01 001 03 - SRESWH5 ALTAMONT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-22-96	AMATA CON % 07-22-96
1	A£AXIOM	0.68	LAA	9	5	63
2	A£AXIOM	0.77	LAA	9	7	53
3	A DUAL II (7.8EC)	1.95	LAA	9	5	70
4	A£FRONTIER 6.0EC	1.29	LAA	9	7	60
5	A TURBO 8EC	2.5	LAA	9	8	68
6	A SQUADRON (2.33EC)	0.87	LAA	9	8	95
7	A SQUADRON (2.33EC)	0.87	LAA	9	8	90
	B SENCOR DF (75WG)	0.38	LAA	9		
8	A PROWL 3.3EC	1.03	LAA	9	12	93
	B PURSUIT (2SL)	0.063	LAA	12		
	C£SUNIT II	1.00	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
9	A£AXIOM	0.68	LAA	9	12	99
	B£FLEXSTAR 1.88ME	0.313	LAA	12		
	C£MSO	1.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
10	A DUAL II (7.8EC)	1.95	LAA	9	7	99
	B£FLEXSTAR 1.88ME	0.313	LAA	12		
	C£MSO	1.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
11	A£FRONTIER 6.0EC	1.29	LAA	9	18	99
	B£FLEXSTAR 1.88ME	0.313	LAA	12		
	C£MSO	1.25	PMV	12		
	D FERTILIZER - 28%UAN	2.5	PMV	12		
12	A UNTREATED CHECK	0.00	NA	0	0	0
13	A PROWL 3.3EC	1.03	LAA	9	17	93
	B SENCOR DF (75WG)	0.281	LAA	9		
	C PURSUIT (2SL)	0.063	LAA	12		
	D£SUNIT II	1.00	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
14	A PROWL 3.3EC	1.03	LAA	9	17	92
	B SENCOR DF (75WG)	0.375	LAA	9		
	C PURSUIT (2SL)	0.063	LAA	12		
	D£SUNIT II	1.00	PMV	12		
	E FERTILIZER - 28%UAN	2.5	PMV	12		
		LSD (0.05)			8.0	13.9
		STANDARD DEVIATION			6.5	27.2

£ = SUPPLEMENTAL CHEMICAL

WATERHEMP IN I.R. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.2
%OM: 2.2
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: GREENVILLE

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-24-96	MDY
AIR TEMPERATURE	85	87	½F
% REL.HUMIDITY	35	48	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	8.0	7.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
05-23-96	****/****	6.00/8.00	IN
*** PEST ***			
WATERHEMP, TALL	HGH/NA	HGH/18	
	****/****	4.00/6.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 425/96/01 001 05 - CRESWH1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-05-96	AMATU CON % 06-05-96	ZEAMD CON % 07-17-96	AMATU CON % 07-17-96	AMATU CON % 08-12-96
1A	PURSUIT (2SL)	0.063	LAA	9	0	99	0	99	93
2A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	95
3A	ATRAZINE 90DF (WG)	0.75	LAA	9	0	99	0	93	88
4A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	0	91	87
5A	ATRAZINE 90DF (WG)	1.25	LAA	9	0	99	0	98	93
6A	ATRAZINE 90DF (WG)	1.5	LAA	9	0	99	0	96	93
7A	PURSUIT (2SL)	0.063	LAA	9	0	99	0	99	93
B	ATRAZINE 90DF (WG)	1.00	LAA	9					
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
9A	PURSUIT (2SL)	0.063	LAA	9	0	99	0	95	94
B	ATRAZINE 90DF (WG)	1.5	LAA	9					
10A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	95
B	ATRAZINE 90DF (WG)	1.00	LAA	9					
11A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	99	97
B	ATRAZINE 90DF (WG)	1.5	LAA	9					
12A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	87	83
B	ATRAZINE 90DF (WG)	0.75	LAA	12					
C	COC	1.00	PMV	12					
13A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	86	83
B	COC	1.00	PMV	12					
14A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	90	82
B	ATRAZINE 90DF (WG)	1.00	LAA	12					
C	COC	1.00	PMV	12					
15A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	73	80
B	ATRAZINE 90DF (WG)	1.25	LAA	12					
C	COC	1.00	PMV	12					
16A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	75	85
B	ATRAZINE 90DF (WG)	1.5	LAA	12					
C	COC	1.00	PMV	12					
17A	RESOLVE	0.25	LAA	12	0	0	0	85	87
B	ACTIVATE PLUS	0.25	PMV	12					
18A	BEACON (75WG)	0.036	LAA	12	0	0	0	77	75
B	COC	1.00	PMV	12					
19A	BEACON (75WG)	0.036	LAA	12	0	0	0	82	80
B	ATRAZINE 90DF (WG)	0.75	LAA	12					
C	COC	1.00	PMV	12					
20A	BEACON (75WG)	0.036	LAA	12	0	0	0	75	85
B	ATRAZINE 90DF (WG)	1.00	LAA	12					
C	COC	1.00	PMV	12					
21A	BEACON (75WG)	0.036	LAA	12	0	0	0	96	93
B	ATRAZINE 90DF (WG)	1.5	LAA	12					
C	COC	1.00	PMV	12					
22A	BEACON (75WG)	0.036	LAA	12	0	0	0	93	90
B	BANVEL (4SL)	0.188	LAA	12					
C	ACTIVATE PLUS	0.25	PMV	12					
23A	PERMIT	0.031	LAA	12	0	0	0	67	72
B	COC	1.00	PMV	12					
24A	PERMIT	0.031	LAA	12	0	0	0	73	78
B	ATRAZINE 90DF (WG)	0.75	LAA	12					
C	COC	1.00	PMV	12					

TRIAL # US 425/96/01 001 05 - CRESWH1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-05-96	AMATU CON % 06-05-96	ZEAMD CON % 07-17-96	AMATU CON % 07-17-96	AMATU CON % 08-12-96
25	A£PERMIT	0.031	LAA	12	0	0	0	70	78
	B ATRAZINE 90DF (WG)	1.00	LAA	12					
	C£COC	1.00	PMV	12					
26	A£PERMIT	0.031	LAA	12	0	0	0	72	82
	B ATRAZINE 90DF (WG)	1.5	LAA	12					
	C£COC	1.00	PMV	12					
27	A£PERMIT	0.047	LAA	12	0	0	0	73	75
	B£COC	1.00	PMV	12					
28	A£PERMIT	0.047	LAA	12	0	0	0	73	72
	B ATRAZINE 90DF (WG)	0.75	LAA	12					
	C£COC	1.00	PMV	12					
29	A£PERMIT	0.047	LAA	12	0	0	0	58	68
	B ATRAZINE 90DF (WG)	1.00	LAA	12					
	C£COC	1.00	PMV	12					
30	A£PERMIT	0.047	LAA	12	0	0	0	67	73
	B ATRAZINE 90DF (WG)	1.5	LAA	12					
	C£COC	1.00	PMV	12					
31	A£PERMIT	0.031	LAA	12	0	0	0	77	80
	B BANVEL (4SL)	0.188	LAA	12					
	C£ACTIVATE PLUS	0.25	PMV	12					
32	A ATRAZINE 90DF (WG)	1.00	LAA	12	0	0	0	48	57
	B£COC	1.00	PMV	12					
33	A ATRAZINE 90DF (WG)	1.5	LAA	12	0	0	0	52	63
	B£COC	1.00	PMV	12					
34	A MARKSMAN (3.2SC)	1.4	LAA	12	0	0	0	87	85
35	A£SCORPION III 84.3WG	0.21	LAA	12	0	0	0	95	93
	B£ACTIVATE PLUS	0.25	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
36	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
37	A CLARITY (4SL)	0.125	LAA	12	0	0	0	77	78
	B£ACTIVATE PLUS	0.25	PMV	12					
38	A CLARITY (4SL)	0.125	LAA	12	0	0	0	92	90
	B PURSUIT (2SL)	0.063	LAA	12					
	C£ACTIVATE PLUS	0.25	PMV	12					
39	A CLARITY (4SL)	0.1875	LAA	12	0	0	0	70	77
	B£ACTIVATE PLUS	0.25	PMV	12					
40	A£TOUGH 5EC	0.468	LAA	12	0	0	0	91	85
	B£COC	1.00	PMV	12					
41	A£TOUGH 5EC	0.937	LAA	12	0	0	0	99	93
	B£COC	1.00	PMV	12					
42	A£TOUGH 5EC	0.468	LAA	12	0	0	0	99	92
	B ATRAZINE 90DF (WG)	1.00	LAA	12					
	C£COC	1.00	PMV	12					
	LSD (0.05)				0.0	0.3	0.0	14.6	9.1
	STANDARD DEVIATION				0.0	42.1	0.0	23.5	20.6

£ = SUPPLEMENTAL CHEMICAL

 PREEMERGENCE HERBICIDES FOR COMMON WATERHEMP CONTROL IN SOYS.
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 2.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	89	89	½F
% REL.HUMIDITY	75	56	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	3.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
RRS AG36001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/19	
	****/****	4.00/8.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 417/96/01 001 07 - CRESWH4

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-11-96	AMATA CON % 07-11-96	GLXMA CON % 07-23-96	AMATA CON % 07-23-96	GLXMA CON % 08-08-96	AMATA CON % 08-08-96
1A£	AXIOM	0.68	LAA	9	3	82	3	70	0	57
B	PURSUIT (2SL)	0.063	LAA	12						
C£	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
2A£	AXIOM	0.77	LAA	9	13	77	3	58	0	57
B	PURSUIT (2SL)	0.063	LAA	12						
C£	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
3A	DUAL II (7.8EC)	1.95	LAA	9	0	90	0	67	0	60
B	PURSUIT (2SL)	0.063	LAA	12						
C£	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
4A£	FRONTIER 6.0EC	1.29	LAA	9	3	92	0	65	2	67
B	PURSUIT (2SL)	0.063	LAA	12						
C£	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
5A	TURBO 8EC	2.5	LAA	9	12	87	0	60	0	63
6A	SQUADRON (2.33EC)	0.87	LAA	9	8	75	0	57	0	55
7A	SQUADRON (2.33EC)	0.87	LAA	9	15	83	3	55	0	55
B	SENCOR DF (75WG)	0.38	LAA	9						
8A	PROWL 3.3EC	1.03	LAA	9	20	50	10	33	5	33
B	PURSUIT (2SL)	0.063	LAA	12						
C£	SUNIT II	1.00	PMV	12						
D	FERTILIZER - 28%UAN	2.5	PMV	12						
9A	PROWL 3.3EC	1.03	LAA	9	10	78	0	53	3	43
B	SENCOR DF (75WG)	0.38	LAA	9						
C	PURSUIT (2SL)	0.063	LAA	12						
D£	SUNIT II	1.00	PMV	12						
E	FERTILIZER - 28%UAN	2.5	PMV	12						
10A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
			LSD (0.05)		10.1	17.7	7.5	22.5	2.2	7.9
			STANDARD DEVIATION		7.9	27.4	4.8	22.2	2.0	19.1

£ = SUPPLEMENTAL CHEMICAL

IMIS IN ROUNDUP-READY SOYS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 2.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	85	93	½F
% REL.HUMIDITY	70	65	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/12	
RRS AG3001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/16	
	****/****	3.00/5.00	IN
PANICUM, FALL	HGH/NA	HGH/13	
	****/****	2.00/4.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 444/96/01 001 03 - CRESWH6 ALTAMONT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	AMATA CON % 07-23-96	PANDI CON % 07-23-96	GLXMA CON % 08-08-96	AMATA CON % 08-08-96
1A	PROWL 3.3EC	1.03	LAA	9	0	47	63	0	57
B	PURSUIT (2SL)	0.063	LAA	12					
C	ESUNIT II	1.00	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
2A	PROWL 3.3EC	1.03	LAA	9	23	93	92	3	93
B	PURSUIT (2SL)	0.063	LAA	12					
C	ESTATUS 2EC	0.125	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
3A	PROWL 3.3EC	1.03	LAA	9	23	95	90	3	96
B	PURSUIT (2SL)	0.063	LAA	12					
C	ESTATUS 2EC	0.156	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
4A	PROWL 3.3EC	1.03	LAA	9	25	99	87	5	99
B	PURSUIT (2SL)	0.063	LAA	12					
C	ESTATUS 2EC	0.187	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
5A	PROWL 3.3EC	1.03	LAA	9	30	98	95	3	96
B	PURSUIT (2SL)	0.063	LAA	12					
C	ESTATUS 2EC	0.218	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
6A	PROWL 3.3EC	1.03	LAA	9	17	47	75	8	67
B	ERAPTOR 1AS	0.031	LAA	12					
C	ESUNIT II	1.00	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
7A	PROWL 3.3EC	1.03	LAA	9	25	96	88	5	92
B	ERAPTOR 1AS	0.031	LAA	12					
C	ESTATUS 2EC	0.125	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
8A	PROWL 3.3EC	1.03	LAA	9	27	98	90	10	95
B	ERAPTOR 1AS	0.031	LAA	12					
C	ESTATUS 2EC	0.187	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
9A	PROWL 3.3EC	1.03	LAA	9	22	94	83	5	95
B	ERAPTOR 1AS	0.031	LAA	12					
C	ESTATUS 2EC	0.25	LAA	12					
D	ESUNIT II	1.00	PMV	12					
E	FERTILIZER - 28%UAN	2.5	PMV	12					
10A	ERAPTOR 1AS	0.039	LAA	12	0	33	75	0	27
B	ESUNIT II	1.00	PMV	12					
C	FERTILIZER - 28%UAN	2.5	PMV	12					
11A	ERAPTOR 1AS	0.039	LAA	12	18	92	88	5	93
B	ESTATUS 2EC	0.125	LAA	12					
C	ESUNIT II	1.00	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
12A	ERAPTOR 1AS	0.039	LAA	12	23	95	87	8	96
B	ESTATUS 2EC	0.187	LAA	12					
C	ESUNIT II	1.00	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
13A	ERAPTOR 1AS	0.039	LAA	12	28	95	87	10	93
B	ESTATUS 2EC	0.25	LAA	12					
C	ESUNIT II	1.00	PMV	12					
D	FERTILIZER - 28%UAN	2.5	PMV	12					
14A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
15A	ESTEEL CP	0.00	LAA	9	7	47	85	3	37
B	PURSUIT PLUS (2.9EC)	0.91	LAA	9					
C	SCEPTER 70DG (WG)	0.063	LAA	9					
D	PROWL 3.3EC	0.206	LAA	9					

TRIAL # US 444/96/01 001 03 - CRESWH6 ALTAMONT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	AMATA CON % 07-23-96	PANDI CON % 07-23-96	GLXMA CON % 08-08-96	AMATA CON % 08-08-96
16	A£STEEL CP	0.00	LAA	9	12	95	88	2	91
	B PURSUIT PLUS (2.9EC)	0.91	LAA	9					
	C SCEPTER 70DG (WG)	0.063	LAA	9					
	D PROWL 3.3EC	0.206	LAA	9					
	E£STATUS 2EC	0.125	LAA	12					
	F£SUNIT II	1.00	PMV	12					
17	A PROWL 3.3EC	1.03	LAA	9	0	43	75	2	43
	B LOROX DF (50WG)	0.25	LAA	9					
	C PURSUIT (2SL)	0.063	LAA	12					
	D£SUNIT II	1.00	PMV	12					
	E FERTILIZER - 28%UAN	2.5	PMV	12					
18	A PROWL 3.3EC	1.03	LAA	9	0	38	80	3	43
19	A PROWL 3.3EC	1.03	LAA	9	3	37	50	2	37
	B LOROX DF (50WG)	0.5	LAA	9					
20	A PURSUIT (2SL)	0.063	LAA	12	0	23	47	0	22
	B£SUNIT II	1.00	PMV	12					
	C FERTILIZER - 28%UAN	2.5	PMV	12					
	LSD (0.05)				6.9	13.0	12.9	4.3	10.1
	STANDARD DEVIATION				11.8	32.3	22.6	3.8	31.6

£ = SUPPLEMENTAL CHEMICAL

 COMMON WATERHEMP CONTROL IN ROUNDUP-READY SOYBEANS

APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 2.4
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 25 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	07-16-96	MDY
AIR TEMPERATURE	85	89	½F
% REL.HUMIDITY	65	56	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	5.0	5.0	M/H
SKY CONDITION	CLEAR	PARTCLDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
RRS AG3001	****/****	5.00/6.00	IN
06-17-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/19	
	****/****	4.00/8.00	IN

*** TIMING CODES**

09 = PREEMERGENCE
12 = POST

*** STAGE CODE**

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 448/96/01 001 03 - AWHRRS1 ALTAMONT

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-23-96	AMATA CON % 07-23-96	GLXMA CON % 08-08-96	AMATA CON % 08-08-96
1A	DUAL II (7.8EC)	1.95	LAA	9	3	70	2	78
B	CANOPY (75WG)	0.188	LAA	9				
2A	DUAL II (7.8EC)	1.95	LAA	9	7	53	2	65
B	LOROX DF (50WG)	0.5	LAA	9				
3A	CANOPY (75WG)	0.141	LAA	9	10	60	2	53
B	LOROX DF (50WG)	0.5	LAA	9				
C	ASSURE II (0.88EC)	0.055	LAA	12				
D	£COC	1.00	PMV	12				
4A	LOROX DF (50WG)	0.5	LAA	9	3	72	0	68
B	ASSURE II (0.88EC)	0.055	LAA	12				
C	£COC	1.00	PMV	12				
5A	CANOPY (75WG)	0.234	LAA	9	23	47	3	53
B	ASSURE II (0.88EC)	0.055	LAA	12				
C	£COC	1.00	PMV	12				
6A	LASSO MICRO-TECH (4CS)	2.5	LAA	9	7	80	2	87
B	LOROX DF (50WG)	0.5	LAA	9				
7A	DUAL II (7.8EC)	1.95	LAA	9	22	90	2	96
B	£FLEXSTAR 1.88ME	0.313	LAA	12				
C	£MSO	1.25	LAA	12				
D	FERTILIZER - 28%UAN	2.5	PMV	12				
8A	CANOPY (75WG)	0.234	LAA	9	13	68	7	75
B	ROUNDUP (3SL)	0.56	LAA	12				
C	£ACTIVATE PLUS	0.5	PMV	12				
9A	LASSO MICRO-TECH (4CS)	2.5	LAA	9	0	88	0	90
B	ROUNDUP (3SL)	0.56	LAA	12				
C	£ACTIVATE PLUS	0.5	PMV	12				
10A	SENCOR DF (75WG)	0.375	LAA	9	5	85	2	85
B	ROUNDUP (3SL)	0.56	LAA	12				
C	£ACTIVATE PLUS	0.5	PMV	12				
11A	LOROX DF (50WG)	0.5	LAA	9	7	83	3	87
B	ROUNDUP (3SL)	0.56	LAA	12				
C	£ACTIVATE PLUS	0.5	PMV	12				
12A	CONCERT (25WG)	0.0078	LAA	12	27	30	10	63
B	ASSURE II (0.88EC)	0.048	LAA	12				
C	£COC	1.00	PMV	12				
13A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
14A	ROUNDUP (3SL)	0.375	LAA	12	5	75	3	77
B	£ACTIVATE PLUS	0.5	PMV	12				
15A	ROUNDUP (3SL)	0.56	LAA	12	0	87	0	83
B	£ACTIVATE PLUS	0.5	PMV	12				
16A	ROUNDUP (3SL)	0.75	LAA	12	3	83	2	90
B	£ACTIVATE PLUS	0.5	PMV	12				
	LSD (0.05)				9.5	11.0	4.6	10.1
	STANDARD DEVIATION				9.4	24.4	3.4	23.0

£ = SUPPLEMENTAL CHEMICAL

ALS RESISTANT CO. WATERHEMP CONTROL IN I.R. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 2.4
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: ALTAMONT

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	06-21-96	MDY
AIR TEMPERATURE	84	87	½F
% REL.HUMIDITY	83	90	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	
WIND SPEED	4.0	2.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/NA	HGH/14	
PIONEER 3417IR	****/****	6.00/8.00	IN
05-21-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/NA	HGH/18	
	****/****	2.00/5.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
12 = POST

*** STAGE CODE**
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 415/96/01 001 06 - CRESWH3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-05-96	AMATA CON % 07-05-96	ZEAMD CON % 08-12-96	AMATA CON % 08-12-96
1A	PURSUIT (2SL)	0.063	LAA	9	0	17	0	10
2A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	3	72	0	67
3A	ATRAZINE 90DF (WG)	0.75	LAA	9	0	96	0	93
4A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	97	0	94
5A	ATRAZINE 90DF (WG)	1.25	LAA	9	0	95	0	92
6A	ATRAZINE 90DF (WG)	1.5	LAA	9	0	97	0	95
7A	PURSUIT (2SL)	0.063	LAA	9	0	86	0	89
B	ATRAZINE 90DF (WG)	1.00	LAA	9				
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
9A	PURSUIT (2SL)	0.063	LAA	9	3	98	0	96
B	ATRAZINE 90DF (WG)	1.5	LAA	9				
10A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	98	0	96
B	ATRAZINE 90DF (WG)	1.00	LAA	9				
11A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	0	99	0	97
B	ATRAZINE 90DF (WG)	1.5	LAA	9				
12A	PURSUIT (2SL)	0.063	LAA	12	7	97	0	97
B	ATRAZINE 90DF (WG)	0.75	LAA	12				
C	COC	1.00	PMV	12				
13A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	0
B	COC	1.00	PMV	12				
14A	PURSUIT (2SL)	0.063	LAA	12	0	99	0	98
B	ATRAZINE 90DF (WG)	1.00	LAA	12				
C	COC	1.00	PMV	12				
15A	PURSUIT (2SL)	0.063	LAA	12	0	98	0	96
B	ATRAZINE 90DF (WG)	1.25	LAA	12				
C	COC	1.00	PMV	12				
16A	PURSUIT (2SL)	0.063	LAA	12	0	99	0	98
B	ATRAZINE 90DF (WG)	1.5	LAA	12				
C	COC	1.00	PMV	12				
17A	RESOLVE	0.25	LAA	12	3	99	0	97
B	ACTIVATE PLUS	0.25	PMV	12				
18A	BEACON (75WG)	0.036	LAA	12	0	13	0	22
B	COC	1.00	PMV	12				
19A	BEACON (75WG)	0.036	LAA	12	0	99	0	99
B	ATRAZINE 90DF (WG)	0.75	LAA	12				
C	COC	1.00	PMV	12				
20A	BEACON (75WG)	0.036	LAA	12	0	99	0	98
B	ATRAZINE 90DF (WG)	1.00	LAA	12				
C	COC	1.00	PMV	12				
21A	BEACON (75WG)	0.036	LAA	12	0	99	0	97
B	ATRAZINE 90DF (WG)	1.5	LAA	12				
C	COC	1.00	PMV	12				
22A	BEACON (75WG)	0.036	LAA	12	0	96	0	92
B	BANVEL (4SL)	0.188	LAA	12				
C	ACTIVATE PLUS	0.25	PMV	12				
23A	PERMIT	0.031	LAA	12	0	20	0	10
B	COC	1.00	PMV	12				
24A	PERMIT	0.031	LAA	12	0	99	0	98
B	ATRAZINE 90DF (WG)	0.75	LAA	12				
C	COC	1.00	PMV	12				

TRIAL # US 415/96/01 001 06 - CRESWH3

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-05-96	AMATA CON % 07-05-96	ZEAMD CON % 08-12-96	AMATA CON % 08-12-96
25	A£PERMIT	0.031	LAA	12	0	99	0	97
	B ATRAZINE 90DF (WG)	1.00	LAA	12				
	C£COC	1.00	PMV	12				
26	A£PERMIT	0.031	LAA	12	0	99	0	98
	B ATRAZINE 90DF (WG)	1.5	LAA	12				
	C£COC	1.00	PMV	12				
27	A£PERMIT	0.047	LAA	12	0	13	0	7
	B£COC	1.00	PMV	12				
28	A£PERMIT	0.047	LAA	12	0	98	0	97
	B ATRAZINE 90DF (WG)	0.75	LAA	12				
	C£COC	1.00	PMV	12				
29	A£PERMIT	0.047	LAA	12	0	93	0	91
	B ATRAZINE 90DF (WG)	1.00	LAA	12				
	C£COC	1.00	PMV	12				
30	A£PERMIT	0.047	LAA	12	0	99	0	98
	B ATRAZINE 90DF (WG)	1.5	LAA	12				
	C£COC	1.00	PMV	12				
31	A£PERMIT	0.031	LAA	12	0	99	0	96
	B BANVEL (4SL)	0.188	LAA	12				
	C£ACTIVATE PLUS	0.25	PMV	12				
32	A ATRAZINE 90DF (WG)	1.00	LAA	12	0	98	0	97
	B£COC	1.00	PMV	12				
33	A ATRAZINE 90DF (WG)	1.5	LAA	12	0	99	0	99
	B£COC	1.00	PMV	12				
34	A MARKSMAN (3.2SC)	1.4	LAA	12	13	99	0	95
35	A£SCORPION III 84.3WG	0.21	LAA	12	22	96	0	93
	B£ACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
36	A UNTREATED CHECK	0.00	NA	0	0	0	0	0
37	A CLARITY (4SL)	0.125	LAA	12	0	98	0	93
	B£ACTIVATE PLUS	0.25	PMV	12				
38	A CLARITY (4SL)	0.125	LAA	12	0	93	0	89
	B PURSUIT (2SL)	0.063	LAA	12				
	C£ACTIVATE PLUS	0.25	PMV	12				
39	A CLARITY (4SL)	0.1875	LAA	12	5	97	0	96
	B£ACTIVATE PLUS	0.25	PMV	12				
40	A£TOUGH 5EC	0.468	LAA	12	0	99	0	97
	B£COC	1.00	PMV	12				
41	A£TOUGH 5EC	0.937	LAA	12	0	99	0	98
	B£COC	1.00	PMV	12				
42	A£TOUGH 5EC	0.468	LAA	12	7	99	0	98
	B ATRAZINE 90DF (WG)	1.00	LAA	12				
	C£COC	1.00	PMV	12				
	LSD (0.05)				4.5	12.2	0.0	11.1
	STANDARD DEVIATION				4.7	33.8	0.0	33.8

£ = SUPPLEMENTAL CHEMICAL

SHATTERCANE CONTROL IN IR CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	09	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	05-21-96	06-20-96	MDY
AIR TEMPERATURE	83	83	92	½F
% REL.HUMIDITY	60	60	70	
WIND DIRECTION	SOUTH	SOUTH	WEST	
WIND SPEED	5.0	5.0	4.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/NA	HGH/12	
PIONEER 3395IR	****/****	****/****	3.00/5.00	IN
05-21-28				
*** PEST ***				
SHATTERCANE, SOR	HGH/NA	HGH/NA	HGH/12	
	****/****	****/****	3.00/5.00	IN

*** TIMING CODES**
07 = PPI
09 = PRE
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 411/96/01 000 02 - BCSHAT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-20-96	SORVU CON % 06-20-96	ZEAMD CON % 06-27-96	SORVU CON % 06-27-96	ZEAMD CON % 07-03-96	SORVU CON % 07-03-96
1A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	93	0	97
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
2A	ACCENT (75WG)	0.031	LAA	12	0	0	0	91	0	96
	B£COC	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
3A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	92	0	97
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
4A	DOUBLEPLAY (7EC)	5.25	LAA	7	0	95	0	93	0	84
5A	LASSO MICRO-TECH (4CS)	2.00	LAA	9	0	88	0	89	0	76
6A	ACCENT (75WG)	0.031	LAA	12	0	0	0	95	0	96
	B£COC	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
7A	PURSUIT (2SL)	0.063	LAA	12	0	0	0	96	0	98
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
8A	DOUBLEPLAY (7EC)	5.25	LAA	7	0	96	0	97	0	88
9A	ACCENT (75WG)	0.031	LAA	12	0	0	0	93	3	96
	B£COC	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
10A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	3.6	0.0	5.0	2.3	3.9
	STANDARD DEVIATION				0.0	42.7	0.0	28.1	1.6	28.4

£ = SUPPLEMENTAL CHEMICAL

DOUBLEPLAY IN SHATTERCANE
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	07	
TYPE	LIQMXSPR	
APPLICATION DATE	05-21-96	MDY
AIR TEMPERATURE	83	½F
% REL.HUMIDITY	84	
WIND DIRECTION	SOUTH	
WIND SPEED	3.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3395IR	****/****	IN
05-21-96		
*** PEST ***		
SHATTERCANE, SOR	HGH/NA	
	****/****	IN

*** TIMING CODES**
07 = PPI

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 413/96/01 000 02 - BCSHAT2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-20-96	SORVU CON % 06-20-96	ZEAMD CON % 06-27-96	SORVU CON % 06-27-96	ZEAMD CON % 07-03-96	SORVU CON % 07-03-96
1	A£TOPNOTCH	2.00	LAA	7	0	93	0	87	0	85
2	A£DOUBLEPLAY	4.38	LAA	7	0	98	0	96	0	93
3	A£DOUBLEPLAY	5.25	LAA	7	0	99	0	99	0	96
		LSD (0.05)			0.0	2.7	0.0	4.0	0.0	11.5
		STANDARD DEVIATION			0.0	2.9	0.0	5.4	0.0	6.7

£ = SUPPLEMENTAL CHEMICAL

EXP31130A PREEMERGENCE FOR WEED CONTROL IN CONV. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	35	
WIND DIRECTION	SOUTH	
WIND SPEED	8.0	M/H
SKY CONDITION	CLEAR	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	CLODDY	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	HGH/NA	
PIONEER 3394	****/****	IN
05-23-96		
*** PEST ***		
VELVETLEAF	HGH/NA	
	****/****	IN
PIGWEED, SMOOTH	HGH/NA	
	****/****	IN
LAMBSQUARTERS, C	HGH/NA	
	****/****	IN
JIMSONWEED	HGH/NA	
	****/****	IN
SMARTWEED, PENNS	HGH/NA	
	****/****	IN
FOXTAIL, GIANT	HGH/NA	
	****/****	IN

*** TIMING CODES**
09 = PRE
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-26-96	SETFA CON % 06-26-96	DATST CON % 06-26-96	POLPY CON % 06-26-96	AMACH CON % 06-26-96	CHEAL CON % 06-26-96
1A	£EXP31130A	0.071	LAA	9	0	83	65	92	96	99
2A	£EXP31130A	0.094	LAA	9	0	96	81	98	95	99
3A	£EXP31130A	0.12	LAA	9	0	99	85	98	90	99
4A	DUAL II (7.8EC)	1.00	LAA	9	0	99	82	82	86	78
5A	DUAL II (7.8EC)	1.25	LAA	9	0	99	82	82	99	72
6A	DUAL II (7.8EC)	1.5	LAA	9	0	99	77	85	93	81
7A	UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	0	99	99	99	99	99
9A	ATRAZINE 90DF (WG)	1.5	LAA	9	2	99	99	99	99	99
10A	£EXP31130A	0.094	LAA	9	0	99	98	95	98	99
	B DUAL II (7.8EC)	1.00	LAA	9						
11A	£EXP31130A	0.094	LAA	9	0	99	98	93	99	99
	B DUAL II (7.8EC)	1.25	LAA	9						
12A	£EXP31130A	0.094	LAA	9	0	99	99	98	99	99
	B DUAL II (7.8EC)	1.5	LAA	9						
13A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B ATRAZINE 90DF (WG)	1.00	LAA	9						
14A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9						
15A	£EXP31130A	0.094	LAA	9	2	99	99	99	99	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
16A	£EXP31130A	0.094	LAA	9	2	99	99	99	99	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
17A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
18A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
19A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B DUAL II (7.8EC)	1.5	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
20A	£EXP31130A	0.094	LAA	9	0	99	99	99	99	99
	B DUAL II (7.8EC)	1.5	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
21A	£EXP31130A	0.094	LAA	9	0	99	95	98	98	99
	B SURPASS (6.4EC)	1.00	LAA	9						
22A	£EXP31130A	0.094	LAA	9	2	99	98	98	99	99
	B SURPASS (6.4EC)	1.2	LAA	9						
23A	BICEP II (6SC)	3.6	LAA	9	0	99	99	99	99	99
24A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
		LSD (0.05)			2.0	5.6	10.6	4.9	6.5	10.0
		STANDARD DEVIATION			1.1	20.1	21.4	20.0	20.0	21.2

TRIAL # US 403/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 06-26-96	ZEAMD CON % 07-16-96	SETFA CON % 07-16-96	DATST CON % 07-16-96	POLPY CON % 07-16-96	AMACH CON % 07-16-96
1A	EXP31130A	0.071	LAA	9	93	0	91	55	93	93
2A	EXP31130A	0.094	LAA	9	99	0	93	83	98	93
3A	EXP31130A	0.12	LAA	9	99	0	96	87	98	93
4A	DUAL II (7.8EC)	1.00	LAA	9	73	0	98	68	68	70
5A	DUAL II (7.8EC)	1.25	LAA	9	57	0	98	83	80	98
6A	DUAL II (7.8EC)	1.5	LAA	9	80	0	99	72	83	98
7A	UNTREATED CHECK	0.00	NA	9	0	0	0	0	0	0
8A	ATRAZINE 90DF (WG)	1.00	LAA	9	99	0	96	99	99	99
9A	ATRAZINE 90DF (WG)	1.5	LAA	9	99	2	98	99	99	99
10A	EXP31130A	0.094	LAA	9	96	0	99	95	93	98
	B DUAL II (7.8EC)	1.00	LAA	9						
11A	EXP31130A	0.094	LAA	9	98	0	98	96	91	98
	B DUAL II (7.8EC)	1.25	LAA	9						
12A	EXP31130A	0.094	LAA	9	99	0	98	98	98	99
	B DUAL II (7.8EC)	1.5	LAA	9						
13A	EXP31130A	0.094	LAA	9	99	0	98	99	99	99
	B ATRAZINE 90DF (WG)	1.00	LAA	9						
14A	EXP31130A	0.094	LAA	9	99	2	98	99	99	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9						
15A	EXP31130A	0.094	LAA	9	99	0	99	99	99	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
16A	EXP31130A	0.094	LAA	9	99	2	98	99	99	99
	B DUAL II (7.8EC)	1.00	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
17A	EXP31130A	0.094	LAA	9	99	0	98	98	99	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
18A	EXP31130A	0.094	LAA	9	99	0	99	99	99	99
	B DUAL II (7.8EC)	1.25	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
19A	EXP31130A	0.094	LAA	9	99	0	99	98	99	99
	B DUAL II (7.8EC)	1.5	LAA	9						
	D ATRAZINE 90DF (WG)	1.00	LAA	9						
20A	EXP31130A	0.094	LAA	9	99	0	98	99	99	99
	B DUAL II (7.8EC)	1.5	LAA	9						
	D ATRAZINE 90DF (WG)	1.5	LAA	9						
21A	EXP31130A	0.094	LAA	9	98	0	99	83	92	95
	B SURPASS (6.4EC)	1.00	LAA	9						
22A	EXP31130A	0.094	LAA	9	96	0	98	96	98	99
	B SURPASS (6.4EC)	1.2	LAA	9						
23A	BICEP II (6SC)	3.6	LAA	9	99	0	99	99	99	99
24A	HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
	LSD (0.05)				8.2	1.7	4.3	10.3	5.2	4.6
	STANDARD DEVIATION				21.8	1.0	19.7	22.2	20.5	20.3

TRIAL # US 403/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 07-16-96	ABUTH CON % 07-16-96
1	A£EXP31130A	0.071	LAA	9	98	98
2	A£EXP31130A	0.094	LAA	9	99	98
3	A£EXP31130A	0.12	LAA	9	98	99
4	A DUAL II (7.8EC)	1.00	LAA	9	78	40
5	A DUAL II (7.8EC)	1.25	LAA	9	68	60
6	A DUAL II (7.8EC)	1.5	LAA	9	73	70
7	A UNTREATED CHECK	0.00	NA	9	0	0
8	A ATRAZINE 90DF (WG)	1.00	LAA	9	99	99
9	A ATRAZINE 90DF (WG)	1.5	LAA	9	99	99
10	A£EXP31130A	0.094	LAA	9	99	98
	B DUAL II (7.8EC)	1.00	LAA	9		
11	A£EXP31130A	0.094	LAA	9	99	96
	B DUAL II (7.8EC)	1.25	LAA	9		
12	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.5	LAA	9		
13	A£EXP31130A	0.094	LAA	9	99	99
	B ATRAZINE 90DF (WG)	1.00	LAA	9		
14	A£EXP31130A	0.094	LAA	9	99	99
	B ATRAZINE 90DF (WG)	1.5	LAA	9		
15	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.00	LAA	9		
	D ATRAZINE 90DF (WG)	1.00	LAA	9		
16	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.00	LAA	9		
	D ATRAZINE 90DF (WG)	1.5	LAA	9		
17	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.25	LAA	9		
	D ATRAZINE 90DF (WG)	1.00	LAA	9		
18	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.25	LAA	9		
	D ATRAZINE 90DF (WG)	1.5	LAA	9		
19	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.5	LAA	9		
	D ATRAZINE 90DF (WG)	1.00	LAA	9		
20	A£EXP31130A	0.094	LAA	9	99	99
	B DUAL II (7.8EC)	1.5	LAA	9		
	D ATRAZINE 90DF (WG)	1.5	LAA	9		
21	A£EXP31130A	0.094	LAA	9	99	99
	B SURPASS (6.4EC)	1.00	LAA	9		
22	A£EXP31130A	0.094	LAA	9	99	98
	B SURPASS (6.4EC)	1.2	LAA	9		
23	A BICEP II (6SC)	3.6	LAA	9	99	99
24	A£HAND WEEDED	0.00	NA	0	99	99
		LSD (0.05)			8.3	7.5
		STANDARD DEVIATION			21.4	23.9

£ = SUPPLEMENTAL CHEMICAL

COMMON WATERHEMP CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-25-96	07-02-96	MDY
AIR TEMPERATURE	85	76	90	½F
% REL.HUMIDITY	50	53	55	
WIND DIRECTION	NORTHEAST	NORTHEAST	SOUTHWEST	
WIND SPEED	3.0	10.0	4.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/13	HGH/14	
DEKALB 592SR	****/****	5.00/6.00	6.00/8.00	IN
05-23-96				
*** PEST ***				
WATERHEMP, COMMO	HGH/NA	HGH/16	HGH/19	
	****/****	3.00/4.00	3.00/6.00	IN
RAGWEED, COMMON	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/3.00	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/17	HGH/19	
	****/****	2.00/3.00	3.00/5.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/2.00	3.00/4.00	IN

*** TIMING CODES**
09 = PRE
12 = POST
13 = LPOST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 450/96/01 000 03 - BCLADOK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-02-96	AMATA CON % 07-02-96	AMBEL CON % 07-02-96	CHEAL CON % 07-02-96	PHBPU CON % 07-02-96	ZEAMD CON % 07-23-96
1A	SURPASS (6.4EC)	2.00	LAA	9	0	62	58	95	91	0
2A	SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
	B£LADDOK S12	1.04	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
3A	SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
	B£LADDOK S12	1.5	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
4A	EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
	B£LADDOK S12	1.04	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
5A	EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
	B£LADDOK S12	1.5	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
7A	SURPASS (6.4EC)	2.00	LAA	9	0	99	99	99	99	0
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
8A	EXTRAZINE II DF (90WG)	3.00	LAA	9	0	99	99	99	99	0
	B BUCTRIL GEL (4EC)	0.25	LAA	12						
	C ATRAZINE 90DF (WG)	0.5	LAA	12						
9A	£LADDOK S12	1.04	LAA	12	0	98	99	99	99	0
	B FERTILIZER - 28%UAN	2.5	PMV	12						
	C POAST PLUS (1EC)	0.188	LAA	13						
	D£COC	1.25	PMV	13						
10A	£LADDOK S12	1.5	LAA	12	0	96	96	99	99	0
	B FERTILIZER - 28%UAN	2.5	PMV	12						
	C POAST PLUS (1EC)	0.188	LAA	13						
	D£COC	1.25	PMV	13						
11A	£LADDOK S12	1.04	LAA	12	0	96	95	99	99	0
	B BANVEL (4SL)	0.125	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						
12A	£LADDOK S12	1.04	LAA	12	0	96	99	99	99	0
	B BANVEL (4SL)	0.25	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						
13A	£LADDOK S12	1.04	LAA	12	0	98	96	99	99	0
	B£2,4-D LVE	0.125	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						
14A	£LADDOK S12	1.04	LAA	12	0	98	99	99	99	0
	B£2,4-D LVE	0.25	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						
15A	£LADDOK S12	1.04	LAA	12	0	99	99	99	99	0
	B£TOUGH 5EC	0.46	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						
16A	£LADDOK S12	1.04	LAA	12	0	95	98	99	99	0
	B ATRAZINE 90DF (WG)	0.5	LAA	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D POAST PLUS (1EC)	0.188	LAA	13						
	E£COC	1.25	PMV	13						

TRIAL # US 450/96/01 000 03 - BCLADOK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-02-96	AMATA CON % 07-02-96	AMBEL CON % 07-02-96	CHEAL CON % 07-02-96	PHBPU CON % 07-02-96	ZEAMD CON % 07-23-96
17A	£LADDOK S12	1.04	LAA	12	0	98	98	99	96	0
B	SENCOR DF (75WG)	0.094	LAA	12						
C	FERTILIZER - 28%UAN	2.5	PMV	12						
D	POAST PLUS (1EC)	0.188	LAA	13						
E	£COC	1.25	PMV	13						
18A	MARKSMAN (3.2SC)	1.4	LAA	12	0	96	98	99	99	0
B	POAST PLUS (1EC)	0.188	LAA	13						
C	£COC	1.25	PMV	13						
	LSD (0.05)				0.0	4.1	4.3	1.8	3.4	0.0
	STANDARD DEVIATION				0.0	23.5	23.9	22.7	22.7	0.0

TRIAL # US 450/96/01 000 03 - BCLADOK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 07-23-96	AMBEL CON % 07-23-96	CHEAL CON % 07-23-96	PHBPU CON % 07-23-96
1A	SURPASS (6.4EC)	2.00	LAA	9	63	75	99	92
2A	SURPASS (6.4EC)	2.00	LAA	9	99	99	99	99
	B£LADDOK S12	1.04	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
3A	SURPASS (6.4EC)	2.00	LAA	9	99	99	99	99
	B£LADDOK S12	1.5	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
4A	EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	99
	B£LADDOK S12	1.04	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
5A	EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	99
	B£LADDOK S12	1.5	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
6A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
7A	SURPASS (6.4EC)	2.00	LAA	9	99	98	99	99
	B BUCTRIL GEL (4EC)	0.25	LAA	12				
	C ATRAZINE 90DF (WG)	0.5	LAA	12				
8A	EXTRAZINE II DF (90WG)	3.00	LAA	9	99	99	99	98
	B BUCTRIL GEL (4EC)	0.25	LAA	12				
	C ATRAZINE 90DF (WG)	0.5	LAA	12				
9A	£LADDOK S12	1.04	LAA	12	98	99	99	98
	B FERTILIZER - 28%UAN	2.5	PMV	12				
	C POAST PLUS (1EC)	0.188	LAA	13				
	D£COC	1.25	PMV	13				
10A	£LADDOK S12	1.5	LAA	12	99	99	99	99
	B FERTILIZER - 28%UAN	2.5	PMV	12				
	C POAST PLUS (1EC)	0.188	LAA	13				
	D£COC	1.25	PMV	13				
11A	£LADDOK S12	1.04	LAA	12	99	99	99	98
	B BANVEL (4SL)	0.125	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				
12A	£LADDOK S12	1.04	LAA	12	99	99	99	99
	B BANVEL (4SL)	0.25	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				
13A	£LADDOK S12	1.04	LAA	12	99	99	99	99
	B£2,4-D LVE	0.125	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				
14A	£LADDOK S12	1.04	LAA	12	99	99	99	98
	B£2,4-D LVE	0.25	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				
15A	£LADDOK S12	1.04	LAA	12	99	99	99	99
	B£TOUGH 5EC	0.46	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				
16A	£LADDOK S12	1.04	LAA	12	99	99	99	99
	B ATRAZINE 90DF (WG)	0.5	LAA	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D POAST PLUS (1EC)	0.188	LAA	13				
	E£COC	1.25	PMV	13				

TRIAL # US 450/96/01 000 03 - BCLADOK

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 07-23-96	AMBEL CON % 07-23-96	CHEAL CON % 07-23-96	PHBPU CON % 07-23-96
17A	£LADDOK S12	1.04	LAA	12	99	99	99	99
B	SENCOR DF (75WG)	0.094	LAA	12				
C	FERTILIZER - 28%UAN	2.5	PMV	12				
D	POAST PLUS (1EC)	0.188	LAA	13				
E	£COC	1.25	PMV	13				
18A	MARKSMAN (3.2SC)	1.4	LAA	12	99	99	99	99
B	POAST PLUS (1EC)	0.188	LAA	13				
C	£COC	1.25	PMV	13				
	LSD (0.05)				5.0	2.1	0.0	1.9
	STANDARD DEVIATION				23.8	23.0	22.7	22.6

£ = SUPPLEMENTAL CHEMICAL

 RESOURCE FOR POSTEMERGENCE BROADLEAF CONTROL IN CONVENT. CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	84	85	½F
% REL.HUMIDITY	75	50	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/13	
PIONEER 3163	3.00/4.00	4.00/5.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/12	HGH/14	
	1.00/1.00	2.00/2.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/1.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/15	
	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/12	HGH/13	
	2.00/3.00	3.00/4.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 405/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-27-96	CHEAL CON % 06-27-96	AMBEL CON % 06-27-96	AMATA CON % 06-27-96	ZEAMD CON % 07-23-96
1	AERESOURCE	0.027	LAA	11	0	67	67	77	8
	BECOC	0.5	PMV	11					
2	AERESOURCE	0.04	LAA	11	0	75	92	88	7
	BECOC	0.5	PMV	11					
3	AERESOURCE	0.054	LAA	11	0	85	98	98	8
	BECOC	0.5	PMV	11					
4	AERESOURCE	0.027	LAA	11	0	99	99	99	7
	B ATRAZINE 90DF (WG)	0.5	LAA	11					
	CECOC	0.5	PMV	11					
5	AERESOURCE	0.027	LAA	11	0	85	90	93	5
	B ACCENT (75WG)	0.031	LAA	11					
	CECOC	0.5	PMV	11					
6	AERESOURCE	0.027	LAA	11	0	95	99	99	10
	B BANVEL 4S (SL)	0.25	LAA	11					
7	AERESOURCE	0.027	LAA	11	0	96	99	96	10
	BE2,4-D LVE	0.25	LAA	11					
8	AERESOURCE	0.027	LAA	11	0	99	99	99	5
	B ATRAZINE 90DF (WG)	0.5	LAA	11					
	C ACCENT (75WG)	0.031	LAA	11					
	DECOC	0.5	PMV	11					
9	AERESOURCE	0.027	LAA	11	0	82	94	99	7
	B BEACON (75WG)	0.018	LAA	11					
	CECOC	0.5	PMV	11					
	D FERTILIZER - 28%UAN	2.5	PMV	11					
10	AERESOURCE	0.027	LAA	11	0	90	99	99	7
	B CLARITY (4SL)	0.25	LAA	11					
	CEACTIVATE PLUS	0.25	PMV	11					
11	AERESOURCE	0.027	LAA	11	0	93	99	99	7
	B ACCENT (75WG)	0.016	LAA	11					
	C BEACON (75WG)	0.018	LAA	11					
	DECOC	0.5	PMV	11					
	E FERTILIZER - 28%UAN	2.5	PMV	12					
12	AERESOURCE	0.027	LAA	11	0	99	99	99	8
	B MARKSMAN (3.2SC)	0.8	LAA	11					
13	AERESOURCE	0.027	LAA	11	0	90	99	90	5
	B CLARITY (4SL)	0.125	LAA	11					
	C ACCENT (75WG)	0.031	LAA	11					
	EEACTIVATE PLUS	0.25	PMV	11					
14	A MARKSMAN (3.2SC)	1.4	LAA	11	0	98	99	93	7
15	AERESOURCE II 0.86EC	0.027	LAA	12	0	77	70	70	8
	BECOC	1.00	PMV	12					
16	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
			LSD (0.05)		0.0	9.5	5.8	9.0	4.0
			STANDARD DEVIATION		0.0	23.9	24.9	24.5	3.1

TRIAL # US 405/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	CHEAL CON % 07-23-96	AMBEL CON % 07-23-96	AMATA CON % 07-23-96
1	A£RESOURCE	0.027	LAA	11	73	94	94
	B£COC	0.5	PMV	11			
2	A£RESOURCE	0.04	LAA	11	85	95	95
	B£COC	0.5	PMV	11			
3	A£RESOURCE	0.054	LAA	11	94	95	96
	B£COC	0.5	PMV	11			
4	A£RESOURCE	0.027	LAA	11	98	97	98
	B ATRAZINE 90DF (WG)	0.5	LAA	11			
	C£COC	0.5	PMV	11			
5	A£RESOURCE	0.027	LAA	11	94	98	98
	B ACCENT (75WG)	0.031	LAA	11			
	C£COC	0.5	PMV	11			
6	A£RESOURCE	0.027	LAA	11	98	98	98
	B BANVEL 4S (SL)	0.25	LAA	11			
7	A£RESOURCE	0.027	LAA	11	99	99	98
	B£2,4-D LVE	0.25	LAA	11			
8	A£RESOURCE	0.027	LAA	11	98	94	99
	B ATRAZINE 90DF (WG)	0.5	LAA	11			
	C ACCENT (75WG)	0.031	LAA	11			
	D£COC	0.5	PMV	11			
9	A£RESOURCE	0.027	LAA	11	96	99	98
	B BEACON (75WG)	0.018	LAA	11			
	C£COC	0.5	PMV	11			
	D FERTILIZER - 28%UAN	2.5	PMV	11			
10	A£RESOURCE	0.027	LAA	11	97	99	99
	B CLARITY (4SL)	0.25	LAA	11			
	C£ACTIVATE PLUS	0.25	PMV	11			
11	A£RESOURCE	0.027	LAA	11	88	99	97
	B ACCENT (75WG)	0.016	LAA	11			
	C BEACON (75WG)	0.018	LAA	11			
	D£COC	0.5	PMV	11			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
12	A£RESOURCE	0.027	LAA	11	99	99	99
	E MARKSMAN (3.2SC)	0.8	LAA	11			
13	A£RESOURCE	0.027	LAA	11	82	98	96
	B CLARITY (4SL)	0.125	LAA	11			
	C ACCENT (75WG)	0.031	LAA	11			
	E£ACTIVATE PLUS	0.25	PMV	11			
14	A MARKSMAN (3.2SC)	1.4	LAA	11	98	96	98
15	A£RESOURCE II 0.86EC	0.027	LAA	12	82	95	96
	B£COC	1.00	PMV	12			
16	A UNTREATED CHECK	0.00	NA	0	0	0	0
			LSD (0.05)		6.6	6.0	4.2
			STANDARD DEVIATION		23.8	23.8	23.7

£ = SUPPLEMENTAL CHEMICAL

POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	11	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06-17-96	06-21-96	MDY
AIR TEMPERATURE	85	85	½F
% REL.HUMIDITY	87	50	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLOUDY	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
CORN, DENT	HGH/12	HGH/13	
DEKALB 592SR	3.00/4.00	5.00/6.00	IN
05-23-96			
*** PEST ***			
WATERHEMP, COMMO	HGH/12	HGH/14	
	1.00/1.00	2.00/2.00	IN
RAGWEED, COMMON	HGH/12	HGH/14	
	1.00/2.00	2.00/3.00	IN
LAMBSQUARTERS, C	HGH/13	HGH/15	
	1.00/1.00	2.00/3.00	IN
MORNINGGLORY, IV	HGH/10	HGH/12	
	1.00/1.00	1.00/2.00	IN
COCKLEBUR, COMMO	HGH/11	HGH/12	
	1.00/1.00	2.00/2.00	IN

*** TIMING CODES**
11 = EPOST
12 = POST

*** STAGE CODE**
10 = 1ST LEAF EMERGING (COTYLEDON UNFOLDING)
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 406/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-27-96	CHEAL CON % 06-27-96	AMBEL CON % 06-27-96	XANST CON % 06-27-96	AMATA CON % 06-27-96	IPOHE CON % 06-27-96
1A	BUCTRIL GEL (4EC)	0.25	LAA	12	3	90	90	90	67	77
2A	BUCTRIL GEL (4EC)	0.25	LAA	12	3	98	98	97	96	92
B	ATRAZINE 90DF (WG)	0.5	LAA	12						
3A	BUCTRIL GEL (4EC)	0.188	LAA	12	0	93	93	93	90	72
	B£EXCEED	0.008	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
4A	BUCTRIL GEL (4EC)	0.188	LAA	12	0	96	96	95	92	80
	B£EXCEED	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
5A	BUCTRIL GEL (4EC)	0.25	LAA	12	3	96	95	96	92	78
	B£EXCEED	0.008	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
6A	BUCTRIL GEL (4EC)	0.25	LAA	12	12	98	98	97	95	88
	B£EXCEED	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
7A	BUCTRIL GEL (4EC)	0.188	LAA	12	3	95	95	95	85	77
	B£PERMIT	0.008	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
8A	BUCTRIL GEL (4EC)	0.188	LAA	12	3	96	96	96	88	85
	B£PERMIT	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
9A	BUCTRIL GEL (4EC)	0.25	LAA	12	5	95	92	93	82	78
	B£PERMIT	0.008	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	3	97	97	97	82	78
	B£PERMIT	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
11A	SENCOR DF (75WG)	0.094	LAA	11	0	96	97	96	95	90
B	WEEDONE 638 (2.8EC)	0.18	LAA	11						
12A	SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	99	99
B	MARKSMAN (3.2SC)	0.8	LAA	11						
13A	SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	95	96
B	CLARITY (4SL)	0.5	LAA	11						
14A	SENCOR DF (75WG)	0.094	LAA	12	0	98	97	93	97	93
B	LADDOK S-12 (5SC)	0.83	LAA	12						
C	FERTILIZER - 28%UAN	2.00	PMV	12						
15A	SENCOR DF (75WG)	0.094	LAA	12	0	96	96	96	92	83
B	BUCTRIL GEL (4EC)	0.25	LAA	12						
16A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				5.2	2.1	2.6	3.5	6.3	7.7
	STANDARD DEVIATION				4.3	23.4	23.4	23.3	23.3	22.2

TRIAL # US 406/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07-23-96	CHEAL CON % 07-23-96	AMBEL CON % 07-23-96	XANST CON % 07-23-96	AMATA CON % 07-23-96	IPOHE CON % 07-23-96
1A	BUCTRIL GEL (4EC)	0.25	LAA	12	3	99	98	88	47	82
2A	BUCTRIL GEL (4EC)	0.25	LAA	12	5	99	99	99	99	85
B	ATRAZINE 90DF (WG)	0.5	LAA	12						
3A	BUCTRIL GEL (4EC)	0.188	LAA	12	7	99	99	99	99	92
B£	EXCEED	0.008	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
4A	BUCTRIL GEL (4EC)	0.188	LAA	12	0	99	99	99	99	95
B£	EXCEED	0.016	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
5A	BUCTRIL GEL (4EC)	0.25	LAA	12	2	99	99	99	96	90
B£	EXCEED	0.008	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
6A	BUCTRIL GEL (4EC)	0.25	LAA	12	8	99	99	99	99	98
B£	EXCEED	0.016	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
7A	BUCTRIL GEL (4EC)	0.188	LAA	12	0	99	99	99	93	85
B£	PERMIT	0.008	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
8A	BUCTRIL GEL (4EC)	0.188	LAA	12	2	99	99	99	87	88
B£	PERMIT	0.016	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
9A	BUCTRIL GEL (4EC)	0.25	LAA	12	10	88	92	94	88	72
B£	PERMIT	0.008	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
10A	BUCTRIL GEL (4EC)	0.25	LAA	12	7	90	93	99	77	72
B£	PERMIT	0.016	LAA	12						
C£	ACTIVATE PLUS	0.25	PMV	12						
11A	SENCOR DF (75WG)	0.094	LAA	11	0	99	99	96	98	96
B	WEEDONE 638 (2.8EC)	0.18	LAA	11						
12A	SENCOR DF (75WG)	0.094	LAA	11	2	99	99	95	99	95
B	MARKSMAN (3.2SC)	0.8	LAA	11						
13A	SENCOR DF (75WG)	0.094	LAA	11	0	99	99	99	99	96
B	CLARITY (4SL)	0.5	LAA	11						
14A	SENCOR DF (75WG)	0.094	LAA	12	2	99	98	99	98	88
B	LADDOK S-12 (5SC)	0.83	LAA	12						
C	FERTILIZER - 28%UAN	2.00	PMV	12						
15A	SENCOR DF (75WG)	0.094	LAA	12	2	99	99	99	98	87
B	BUCTRIL GEL (4EC)	0.25	LAA	12						
16A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				6.2	2.4	2.3	8.4	5.7	8.4
	STANDARD DEVIATION				4.6	23.9	23.8	24.1	25.9	23.0

£ = SUPPLEMENTAL CHEMICAL

SHATTERCANE CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-21-96	06-20-96	MDY
AIR TEMPERATURE	83	85	½F
% REL.HUMIDITY	55	50	
WIND DIRECTION	SOUTHWEST	NORTHEAST	
WIND SPEED	2.0	3.0	M/H
SKY CONDITION	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/13	
DEKALB 469C	****/****	5.00/6.00	IN
05-21-96			
*** PEST ***			
SHATTERCANE, SOR	HGH/NA	HGH/15	
	****/****	6.00/6.00	IN

*** TIMING CODES**
09 = PRE
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 410/96/01 000 02 - BSSHAT1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-20-96	SORVU CON % 06-20-96	GLXMA CON % 06-27-96	SORVU CON % 06-27-96	GLXMA CON % 07-03-96	SORVU CON % 07-03-96
1A	PURSUIT (2SL)	0.063	LAA	12	0	0	3	90	3	95
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
2A	PURSUIT (2SL)	0.063	LAA	12	0	0	3	91	0	96
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
3A	PROWL 3.3EC	1.00	LAA	9	5	89	5	98	0	99
	B PURSUIT (2SL)	0.063	LAA	12						
	C£SUNIT II	1.00	PMV	12						
	D FERTILIZER - 28%UAN	4.00	PMV	12						
4A	PURSUIT (2SL)	0.063	LAA	12	0	0	4	91	0	96
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
5A	PURSUIT (2SL)	0.063	LAA	12	0	0	5	91	0	95
	B£SUNIT II	1.00	PMV	12						
	C FERTILIZER - 28%UAN	4.00	PMV	12						
6A	FUSILADE DX (2EC)	0.187	LAA	12	0	0	0	96	0	96
	B£COC	1.00	PMV	12						
7A	FUSILADE DX (2EC)	0.187	LAA	12	0	0	0	93	0	98
	B£COC	1.00	PMV	12						
8A	FUSILADE DX (2EC)	0.187	LAA	12	0	0	3	94	0	97
	B£COC	1.00	PMV	12						
9A	PROWL 3.3EC	1.00	LAA	9	0	90	0	90	0	83
10A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.6	2.2	5.9	3.7	2.3	3.0
	STANDARD DEVIATION				3.1	35.8	5.3	28.0	1.6	28.8

£ = SUPPLEMENTAL CHEMICAL

WEED CONTROL IN ROUNDUP-READY SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-17-96	06-21-96	MDY
AIR TEMPERATURE	85	88	88	½F
% REL.HUMIDITY	50	65	75	
WIND DIRECTION	NORTHEAST	SOUTH	WEST	
WIND SPEED	3.0	10.0	3.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/12	
RRS AG3001	****/****	3.00/4.00	4.00/5.00	IN
05-23-96				
*** PEST ***				
WATERHEMP, COMMO	HGH/NA	HGH/11	HGH/12	
	****/****	0.50/1.00	1.00/2.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/13	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS	HGH/NA	HGH/12	HGH/14	
	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	1.00/3.00	2.00/5.00	IN

*** TIMING CODES**
09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 06-20-96	SETFA CON % 06-20-96	DIGSA CON % 06-20-96	POLPY CON % 06-20-96	AMATA CON % 06-20-96	GLXMA CON % 07-02-96
1	A SQUADRON (2.33EC)	0.875	LAA	9	5	97	97	99	99	5
2	A SQUADRON (2.33EC)	0.875	LAA	9	0	96	96	99	99	0
	B ROUNDUP ULTRA	0.38	LAA	12						
3	A DETAIL	1.03	LAA	9	0	99	99	99	99	3
4	A DETAIL	1.03	LAA	9	2	99	99	99	99	0
	B ROUNDUP ULTRA	0.38	LAA	12						
5	A DETAIL	1.03	LAA	11	17	90	90	70	92	30
	B ROUNDUP ULTRA	0.38	LAA	11						
6	A STEEL CP	0.00	LAA	9	2	99	99	99	99	3
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9						
	C SCEPTER 70DG (WG)	0.063	LAA	9						
7	A STEEL CP	0.00	LAA	9	3	99	99	99	99	2
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9						
	C SCEPTER 70DG (WG)	0.063	LAA	9						
	D ROUNDUP ULTRA	0.38	LAA	12						
8	A SCEPTER 70DG (WG)	0.125	LAA	9	3	77	93	97	97	3
	B ROUNDUP ULTRA	0.38	LAA	12						
9	A PURSUIT PLUS EC (2.9EC)	0.91	LAA	9	0	99	99	99	99	2
10	A PURSUIT PLUS (2.9EC)	0.91	LAA	9	0	99	99	99	99	2
	B ROUNDUP ULTRA	0.38	LAA	12						
11	A PROWL 3.3EC	1.25	LAA	9	0	91	95	88	98	3
	B ROUNDUP ULTRA	0.38	LAA	12						
12	A AUTHORITY	0.313	LAA	9	8	99	96	99	98	5
	B ROUNDUP ULTRA	0.56	LAA	12						
13	A AUTHORITY	0.313	LAA	9	18	98	99	98	99	15
	B SENCOR DF (75WG)	0.188	LAA	9						
	C ROUNDUP ULTRA	0.56	LAA	12						
14	A AUTHORITY	0.375	LAA	9	37	99	99	99	99	30
	B SENCOR DF (75WG)	0.225	LAA	9						
	C ROUNDUP ULTRA	0.38	LAA	12						
15	A AUTHORITY	0.2	LAA	9	12	99	99	99	99	18
	B EF6025	0.04	LAA	9						
	C ROUNDUP ULTRA	0.56	LAA	12						
16	A AUTHORITY	0.26	LAA	9	18	99	99	99	99	18
	B EF6025	0.052	LAA	9						
	C ROUNDUP ULTRA	0.38	LAA	12						
17	A ROUNDUP ULTRA	0.56	LAA	12	0	99	99	99	99	0
18	A ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	99	0
19	A ROUNDUP ULTRA	0.56	LAA	11	7	88	88	72	92	2
	B ROUNDUP ULTRA	0.38	LAA	12						
20	A UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.5	4.7	3.8	4.8	2.0	6.8
	STANDARD DEVIATION				9.6	21.8	21.5	22.6	21.5	10.1

TRIAL # US 455/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-02-96	DIGSA CON % 07-02-96	POLPY CON % 07-02-96	AMATA CON % 07-02-96	GLXMA CON % 07-19-96	SETFA CON % 07-19-96
1A	SQUADRON (2.33EC)	0.875	LAA	9	90	93	99	99	3	63
2A	SQUADRON (2.33EC)	0.875	LAA	9	98	98	99	99	5	91
	B£ROUNDUP ULTRA	0.38	LAA	12						
3A£	DETAIL	1.03	LAA	9	83	88	99	99	7	40
4A£	DETAIL	1.03	LAA	9	96	99	99	99	2	85
	B£ROUNDUP ULTRA	0.38	LAA	12						
5A£	DETAIL	1.03	LAA	11	85	88	88	94	12	82
	B£ROUNDUP ULTRA	0.38	LAA	11						
6A£	STEEL CP	0.00	LAA	9	96	98	99	99	3	77
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9						
	C SCEPTER 70DG (WG)	0.063	LAA	9						
7A£	STEEL CP	0.00	LAA	9	99	99	99	99	2	93
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9						
	C SCEPTER 70DG (WG)	0.063	LAA	9						
	D£ROUNDUP ULTRA	0.38	LAA	12						
8A	SCEPTER 70DG (WG)	0.125	LAA	9	92	98	99	99	7	77
	B£ROUNDUP ULTRA	0.38	LAA	12						
9A	PURSUIT PLUS EC (2.9EC)	0.91	LAA	9	96	98	99	99	5	83
10A	PURSUIT PLUS (2.9EC)	0.91	LAA	9	98	99	99	99	5	90
	B£ROUNDUP ULTRA	0.38	LAA	12						
11A	PROWL 3.3EC	1.25	LAA	9	97	98	96	99	5	92
	B£ROUNDUP ULTRA	0.38	LAA	12						
12A£	AUTHORITY	0.313	LAA	9	98	99	99	99	2	87
	B£ROUNDUP ULTRA	0.56	LAA	12						
13A£	AUTHORITY	0.313	LAA	9	98	99	99	99	7	90
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£ROUNDUP ULTRA	0.56	LAA	12						
14A£	AUTHORITY	0.375	LAA	9	99	99	99	99	15	88
	B SENCOR DF (75WG)	0.225	LAA	9						
	C£ROUNDUP ULTRA	0.38	LAA	12						
15A£	AUTHORITY	0.2	LAA	9	99	99	99	99	13	90
	B£F6025	0.04	LAA	9						
	C£ROUNDUP ULTRA	0.56	LAA	12						
16A£	AUTHORITY	0.26	LAA	9	99	99	99	99	17	94
	B£F6025	0.052	LAA	9						
	C£ROUNDUP ULTRA	0.38	LAA	12						
17A£	ROUNDUP ULTRA	0.56	LAA	12	91	94	83	99	2	88
18A£	ROUNDUP ULTRA	0.75	LAA	12	93	93	96	96	5	87
19A£	ROUNDUP ULTRA	0.56	LAA	11	99	99	97	99	0	92
	B£ROUNDUP ULTRA	0.38	LAA	12						
20A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.5	4.3	4.1	3.0	5.7	9.9
	STANDARD DEVIATION				21.3	21.5	21.7	21.6	5.5	22.5

TRIAL # US 455/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	DIGSA CON % 07-19-96	POLPY CON % 07-19-96	AMATA CON % 07-19-96
1A	SQUADRON (2.33EC)	0.875	LAA	9	70	90	99
2A	SQUADRON (2.33EC)	0.875	LAA	9	96	99	99
	B£ROUNDUP ULTRA	0.38	LAA	12			
3A£	DETAIL	1.03	LAA	9	57	99	99
4A£	DETAIL	1.03	LAA	9	95	99	99
	B£ROUNDUP ULTRA	0.38	LAA	12			
5A£	DETAIL	1.03	LAA	11	99	99	98
	B£ROUNDUP ULTRA	0.38	LAA	11			
6A£	STEEL CP	0.00	LAA	9	95	99	99
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9			
	C SCEPTER 70DG (WG)	0.063	LAA	9			
7A£	STEEL CP	0.00	LAA	9	98	99	99
	B PURSUIT PLUS EC (2.9EC)	0.91	LAA	9			
	C SCEPTER 70DG (WG)	0.063	LAA	9			
	D£ROUNDUP ULTRA	0.38	LAA	12			
8A	SCEPTER 70DG (WG)	0.125	LAA	9	91	99	98
	B£ROUNDUP ULTRA	0.38	LAA	12			
9A	PURSUIT PLUS EC (2.9EC)	0.91	LAA	9	90	96	99
10A	PURSUIT PLUS (2.9EC)	0.91	LAA	9	97	99	99
	B£ROUNDUP ULTRA	0.38	LAA	12			
11A	PROWL 3.3EC	1.25	LAA	9	96	99	98
	B£ROUNDUP ULTRA	0.38	LAA	12			
12A£	AUTHORITY	0.313	LAA	9	90	99	99
	B£ROUNDUP ULTRA	0.56	LAA	12			
13A£	AUTHORITY	0.313	LAA	9	85	99	99
	B SENCOR DF (75WG)	0.188	LAA	9			
	C£ROUNDUP ULTRA	0.56	LAA	12			
14A£	AUTHORITY	0.375	LAA	9	90	99	98
	B SENCOR DF (75WG)	0.225	LAA	9			
	C£ROUNDUP ULTRA	0.38	LAA	12			
15A£	AUTHORITY	0.2	LAA	9	96	99	99
	B£F6025	0.04	LAA	9			
	C£ROUNDUP ULTRA	0.56	LAA	12			
16A£	AUTHORITY	0.26	LAA	9	97	99	99
	B£F6025	0.052	LAA	9			
	C£ROUNDUP ULTRA	0.38	LAA	12			
17A£	ROUNDUP ULTRA	0.56	LAA	12	98	90	96
18A£	ROUNDUP ULTRA	0.75	LAA	12	96	99	82
19A£	ROUNDUP ULTRA	0.56	LAA	11	93	99	93
	B£ROUNDUP ULTRA	0.38	LAA	12			
20A	UNTREATED CHECK	0.00	NA	0	0	0	0
			LSD (0.05)		10.2	4.2	3.4
			STANDARD DEVIATION		22.9	21.6	21.6

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF EXPERT FOR WEED CONTROL IN SOYS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-31-96	05-31-96	06-19-96	06-25-96	MDY
AIR TEMPERATURE	72	72	86	87	½F
% REL.HUMIDITY	85	85	88	90	
WIND DIRECTION	SOUTH	SOUTH	SOUTH	SOUTH	
WIND SPEED	2.0	2.0	4.0	0.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/11	HGH/12	
PIONEER 9392	****/****	****/****	3.00/4.00	5.00/6.00	IN
05-31-96					
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	2.00/2.00	3.00/4.00	IN
WATERHEMP, COMMO	HGH/NA	HGH/NA	HGH/16	HGH/18	
	****/****	****/****	2.00/4.00	2.00/5.00	IN
RAGWEED, COMMON	HGH/NA	HGH/NA	HGH/12	HGH/14	
	****/****	****/****	2.00/2.00	3.00/4.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/15	HGH/17	
	****/****	****/****	1.00/2.00	2.00/3.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/NA	HGH/13	HGH/15	
	****/****	****/****	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/12	HGH/13	
	****/****	****/****	1.00/3.00	2.00/4.00	IN

*** TIMING CODES**
07 = PPI

*** TIMING CODES**

09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND / TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	AMBEL CON % 07-03-96	CHEAL CON % 07-03-96	AMATA CON % 07-03-96	PHBPU CON % 07-03-96
1A	TREFLAN EC (4EC)	1.00	LAA	7	17	94	82	90	93	85
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
2A	TREFLAN EC (4EC)	1.00	LAA	7	23	88	87	96	95	92
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
3A	DUAL II (7.8EC)	2.00	LAA	9	12	96	82	93	95	82
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	13	97	87	98	98	96
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6A	TURBO 8EC	2.25	LAA	9	3	98	96	98	97	80
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
7A	TURBO 8EC	2.25	LAA	9	13	99	96	99	99	96
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
8A	ASSURE II (0.88EC)	0.055	LAA	11	3	96	75	80	87	78
	B£ACTIVATE PLUS	0.25	PMV	11						
	C£EXPERT	0.07	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
9A	ASSURE II (0.88EC)	0.055	LAA	12	12	82	75	80	90	77
	B£EXPERT	0.06	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A	ASSURE II (0.88EC)	0.055	LAA	12	20	80	82	93	95	87
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
11A	TURBO 8EC	2.25	LAA	9	0	97	85	96	96	63
12A	DUAL II (7.8EC)	2.00	LAA	9	28	98	82	97	97	82
	B£EXPERT	0.07	LAA	12						
	C PINNACLE (25WG)	0.004	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	30	99	93	99	99	95
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D PINNACLE (25WG)	0.004	LAA	12						
	E£ACTIVATE PLUS	0.25	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
14A	PROWL 3.3EC	1.25	LAA	9	28	97	67	96	96	82
	B PURSUIT (2SL)	0.063	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
15A	PROWL 3.3EC	1.25	LAA	9	32	96	77	96	95	88
	B PURSUIT (2SL)	0.063	LAA	12						
	C PINNACLE (25WG)	0.002	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	AMBEL CON % 07-03-96	CHEAL CON % 07-03-96	AMATA CON % 07-03-96	PHBPU CON % 07-03-96
16	A£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
			LSD (0.05)		7.6	6.0	6.0	7.2	3.5	8.0
			STANDARD DEVIATION		11.6	23.7	22.3	23.8	23.4	22.8

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-03-96	GLXMA CON % 07-11-96	SETFA CON % 07-11-96	AMBEL CON % 07-11-96	CHEAL CON % 07-11-96	AMATA CON % 07-11-96
1A	TREFLAN EC (4EC)	1.00	LAA	7	90	13	88	92	92	93
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
2A	TREFLAN EC (4EC)	1.00	LAA	7	95	13	78	70	92	92
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
3A	DUAL II (7.8EC)	2.00	LAA	9	93	3	95	90	95	95
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	97	8	95	82	95	95
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6A	TURBO 8EC	2.25	LAA	9	96	0	99	99	99	99
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
7A	TURBO 8EC	2.25	LAA	9	99	13	99	93	99	99
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
8A	ASSURE II (0.88EC)	0.055	LAA	11	90	0	96	90	88	96
	B£ACTIVATE PLUS	0.25	PMV	11						
	C£EXPERT	0.07	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
9A	ASSURE II (0.88EC)	0.055	LAA	12	83	3	78	88	93	95
	B£EXPERT	0.06	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A	ASSURE II (0.88EC)	0.055	LAA	12	95	7	63	82	92	92
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
11A	TURBO 8EC	2.25	LAA	9	92	0	95	78	90	90
12A	DUAL II (7.8EC)	2.00	LAA	9	96	18	98	90	97	97
	B£EXPERT	0.07	LAA	12						
	C PINNACLE (25WG)	0.004	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	98	23	96	93	96	96
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D PINNACLE (25WG)	0.004	LAA	12						
	E£ACTIVATE PLUS	0.25	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
14A	PROWL 3.3EC	1.25	LAA	9	96	25	92	80	93	93
	B PURSUIT (2SL)	0.063	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
15A	PROWL 3.3EC	1.25	LAA	9	95	28	93	83	97	96
	B PURSUIT (2SL)	0.063	LAA	12						
	C PINNACLE (25WG)	0.002	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT COMPOUND NUM TESTED	DOSAGE RATE	UNIT	TM	ABUTH CON % 07-03-96	GLXMA CON % 07-11-96	SETFA CON % 07-11-96	AMBEL CON % 07-11-96	CHEAL CON % 07-11-96	AMATA CON % 07-11-96
16A£HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
		LSD (0.05)		3.2	11.6	8.1	6.2	5.1	3.0
		STANDARD DEVIATION		23.2	11.0	24.3	22.6	23.2	23.2

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	PHBPU CON % 07-11-96	ABUTH CON % 07-11-96	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMBEL CON % 07-19-96	CHEAL CON % 07-19-96
1A	TREFLAN EC (4EC)	1.00	LAA	7	92	93	8	92	90	88
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
2A	TREFLAN EC (4EC)	1.00	LAA	7	92	93	7	82	73	96
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
3A	DUAL II (7.8EC)	2.00	LAA	9	92	95	7	96	92	90
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
4A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	93	95	5	96	83	97
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6A	TURBO 8EC	2.25	LAA	9	90	97	5	97	99	99
	B£EXPERT	0.07	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
7A	TURBO 8EC	2.25	LAA	9	98	99	8	98	96	99
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
8A	ASSURE II (0.88EC)	0.055	LAA	11	88	96	5	97	95	82
	B£ACTIVATE PLUS	0.25	PMV	11						
	C£EXPERT	0.07	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
9A	ASSURE II (0.88EC)	0.055	LAA	12	90	90	10	53	90	87
	B£EXPERT	0.06	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A	ASSURE II (0.88EC)	0.055	LAA	12	92	93	8	27	72	96
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
11A	TURBO 8EC	2.25	LAA	9	47	90	7	97	65	98
12A	DUAL II (7.8EC)	2.00	LAA	9	93	97	15	96	92	98
	B£EXPERT	0.07	LAA	12						
	C PINNACLE (25WG)	0.004	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	2.00	LAA	9	96	96	20	96	85	98
	B£EXPERT	0.06	LAA	12						
	C£ACTION	0.0035	LAA	12						
	D PINNACLE (25WG)	0.004	LAA	12						
	E£ACTIVATE PLUS	0.25	PMV	12						
	F FERTILIZER - 28%UAN	2.5	PMV	12						
14A	PROWL 3.3EC	1.25	LAA	9	83	93	18	96	80	98
	B PURSUIT (2SL)	0.063	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
15A	PROWL 3.3EC	1.25	LAA	9	88	96	18	96	85	98
	B PURSUIT (2SL)	0.063	LAA	12						
	C PINNACLE (25WG)	0.002	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	PHBPU CON % 07-11-96	ABUTH CON % 07-11-96	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	AMBEL CON % 07-19-96	CHEAL CON % 07-19-96
16	A£HAND WEEDED	0.00	NA	0	99	99	0	99	99	99
			LSD (0.05)		8.0	3.1	4.5	8.4	9.4	9.1
			STANDARD DEVIATION		24.7	23.2	6.4	28.9	23.5	23.9

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 07-19-96	PHBPU CON % 07-19-96	ABUTH CON % 07-19-96
1A	TREFLAN EC (4EC)	1.00	LAA	7	96	96	98
	B£EXPERT	0.07	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	2.5	PMV	12			
2A	TREFLAN EC (4EC)	1.00	LAA	7	96	95	97
	B£EXPERT	0.06	LAA	12			
	C£ACTION	0.0035	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
3A	DUAL II (7.8EC)	2.00	LAA	9	98	95	96
	B£EXPERT	0.07	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	2.5	PMV	12			
4A	UNTREATED CHECK	0.00	NA	0	0	0	0
5A	DUAL II (7.8EC)	2.00	LAA	9	99	95	98
	B£EXPERT	0.06	LAA	12			
	C£ACTION	0.0035	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
6A	TURBO 8EC	2.25	LAA	9	99	91	98
	B£EXPERT	0.07	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	2.5	PMV	12			
7A	TURBO 8EC	2.25	LAA	9	99	96	98
	B£EXPERT	0.06	LAA	12			
	C£ACTION	0.0035	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
8A	ASSURE II (0.88EC)	0.055	LAA	11	90	92	98
	B£ACTIVATE PLUS	0.25	PMV	11			
	C£EXPERT	0.07	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
9A	ASSURE II (0.88EC)	0.055	LAA	12	92	92	96
	B£EXPERT	0.06	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	2.5	PMV	12			
10A	ASSURE II (0.88EC)	0.055	LAA	12	99	95	97
	B£EXPERT	0.06	LAA	12			
	C£ACTION	0.0035	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
11A	TURBO 8EC	2.25	LAA	9	98	68	82
12A	DUAL II (7.8EC)	2.00	LAA	9	99	95	99
	B£EXPERT	0.07	LAA	12			
	C PINNACLE (25WG)	0.004	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			
13A	DUAL II (7.8EC)	2.00	LAA	9	99	95	96
	B£EXPERT	0.06	LAA	12			
	C£ACTION	0.0035	LAA	12			
	D PINNACLE (25WG)	0.004	LAA	12			
	E£ACTIVATE PLUS	0.25	PMV	12			
	F FERTILIZER - 28%UAN	2.5	PMV	12			
14A	PROWL 3.3EC	1.25	LAA	9	99	93	98
	B PURSUIT (2SL)	0.063	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	2.5	PMV	12			
15A	PROWL 3.3EC	1.25	LAA	9	99	93	99
	B PURSUIT (2SL)	0.063	LAA	12			
	C PINNACLE (25WG)	0.002	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	2.5	PMV	12			

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	AMATA CON % 07-19-96	PHBPU CON % 07-19-96	ABUTH CON % 07-19-96
16	A£HAND WEEDED	0.00	NA	0	99	99	99
			LSD (0.05)		3.3	4.9	2.9
			STANDARD DEVIATION		23.8	23.5	23.8

£ = SUPPLEMENTAL CHEMICAL

IMIS FOR WEED CONTROL IN STS SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-19-96	MDY
AIR TEMPERATURE	85	86	½F
% REL.HUMIDITY	50	72	
WIND DIRECTION	NORTHEAST	SOUTH	
WIND SPEED	3.0	2.0	M/H
SKY CONDITION	CLOUDY	CLEAR	
LEAF MOISTURE	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
	DEN/ STG/ MINMAXSZ		
*** CROP ***			
SOYBEAN	HGH/NA	HGH/11	
ASGROW 4045STS	****/****	3.00/4.00	IN
05-23-96			
*** PEST ***			
RAGWEED, COMMON	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/12	
	****/****	1.00/1.00	IN
PANICUM, FALL	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN
MORNINGGLORY, TA	HGH/NA	HGH/12	
	****/****	1.00/2.00	IN

*** TIMING CODES**
09 = PREEMERGENCE
11 = EPOST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 447/96/01 001 03 - SRESWH9

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	PANDI CON % 07-03-96	PHBPU CON % 07-03-96	AMBEL CON % 07-03-96	DIGSA CON % 07-03-96	GLXMA CON % 07-19-96
1A	PROWL 3.3EC	1.24	LAA	9	15	87	95	98	88	7
B	PURSUIT (2SL)	0.063	LAA	11						
C	£STATUS 2EC	0.156	LAA	11						
D	£COC	1.25	PMV	11						
E	FERTILIZER - 28%UAN	1.25	PMV	11						
2A	GALAXY (3.67SL)	0.92	LAA	11	10	83	93	98	80	8
B	POAST PLUS (1EC)	0.25	LAA	11						
C	£COC	1.25	PMV	11						
3A	£RAPTOR 1AS	0.039	LAA	11	10	72	98	98	78	7
B	£STATUS 2EC	0.156	LAA	11						
C	£COC	1.25	PMV	11						
D	FERTILIZER - 28%UAN	1.25	PMV	11						
4A	CONCERT (25WG)	0.0078	LAA	11	5	78	82	82	70	5
B	ASSURE II (0.88EC)	0.055	LAA	11						
C	£COC	1.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
5A	CLASSIC (25WG)	0.005	LAA	11	10	70	96	98	70	7
B	PINNACLE (25WG)	0.0028	LAA	11						
C	COBRA (2EC)	0.063	LAA	11						
D	ASSURE II (0.88EC)	0.055	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	2.5	PMV	11						
6A	CLASSIC (25WG)	0.01	LAA	11	8	78	95	95	80	3
B	PINNACLE (25WG)	0.0034	LAA	11						
C	COBRA (2EC)	0.063	LAA	11						
D	ASSURE II (0.88EC)	0.055	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	2.5	PMV	11						
7A	PROWL 3.3EC	1.24	LAA	9	15	82	95	99	85	12
B	PURSUIT (2SL)	0.063	LAA	11						
C	PINNACLE (25WG)	0.002	LAA	11						
D	£STATUS 2EC	0.156	LAA	11						
E	£COC	1.25	PMV	11						
F	FERTILIZER - 28%UAN	1.25	PMV	11						
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				4.4	7.3	6.1	4.6	13.3	7.6
	STANDARD DEVIATION				5.1	26.7	31.3	32.0	27.6	5.2

TRIAL # US 447/96/01 001 03 - SRESWH9

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	PANDI CON % 07-19-96	PHBPU CON % 07-19-96	AMBEL CON % 07-19-96	DIGSA CON % 07-19-96
1A	PROWL 3.3EC	1.24	LAA	9	92	94	91	88
B	PURSUIT (2SL)	0.063	LAA	11				
C£	STATUS 2EC	0.156	LAA	11				
D£	COC	1.25	PMV	11				
E	FERTILIZER - 28%UAN	1.25	PMV	11				
2A	GALAXY (3.67SL)	0.92	LAA	11	73	95	98	82
B	POAST PLUS (1EC)	0.25	LAA	11				
C£	COC	1.25	PMV	11				
3A£	RAPTOR 1AS	0.039	LAA	11	85	98	99	70
B£	STATUS 2EC	0.156	LAA	11				
C£	COC	1.25	PMV	11				
D	FERTILIZER - 28%UAN	1.25	PMV	11				
4A	CONCERT (25WG)	0.0078	LAA	11	88	93	97	80
B	ASSURE II (0.88EC)	0.055	LAA	11				
C£	COC	1.25	PMV	11				
D	FERTILIZER - 28%UAN	2.5	PMV	11				
5A	CLASSIC (25WG)	0.005	LAA	11	78	95	95	68
B	PINNACLE (25WG)	0.0028	LAA	11				
C	COBRA (2EC)	0.063	LAA	11				
D	ASSURE II (0.88EC)	0.055	LAA	11				
E£	COC	1.25	PMV	11				
F	FERTILIZER - 28%UAN	2.5	PMV	11				
6A	CLASSIC (25WG)	0.01	LAA	11	85	95	93	80
B	PINNACLE (25WG)	0.0034	LAA	11				
C	COBRA (2EC)	0.063	LAA	11				
D	ASSURE II (0.88EC)	0.055	LAA	11				
E£	COC	1.25	PMV	11				
F	FERTILIZER - 28%UAN	2.5	PMV	11				
7A	PROWL 3.3EC	1.24	LAA	9	88	93	96	92
B	PURSUIT (2SL)	0.063	LAA	11				
C	PINNACLE (25WG)	0.002	LAA	11				
D£	STATUS 2EC	0.156	LAA	11				
E£	COC	1.25	PMV	11				
F	FERTILIZER - 28%UAN	1.25	PMV	11				
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
			LSD (0.05)		10.4	8.2	7.3	14.2
			STANDARD DEVIATION		28.9	31.6	31.9	28.4

£ = SUPPLEMENTAL CHEMICAL

COMMON WATERHEMP CONTROL IN STS SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	05-23-96	MDY
AIR TEMPERATURE	85	½F
% REL.HUMIDITY	50	
WIND DIRECTION	NORTHEAST	
WIND SPEED	3.0	M/H
SKY CONDITION	CLOUDY	
LEAF MOISTURE	DRY	
ROOT MOISTURE	MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	HGH/NA	
ASGROW 4045STS	****/****	IN
05-23-96		
*** PEST ***		
WATERHEMP, COMMO	HGH/NA	
	****/****	IN

*** TIMING CODES**
12 = POST

*** STAGE CODE**
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 446/96/01 001 03 - SRESWH8

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	AMATA CON % 07-03-96	GLXMA CON % 07-19-96	AMATA CON % 07-19-96
1A	£SYNCHRONY STS 42DF	0.013	LAA	12	18	99	13	99
	B COBRA (2EC)	0.063	LAA	12				
	C£COC	0.62	PMV	12				
2A	£SYNCHRONY STS 42DF	0.013	LAA	12	23	99	15	99
	B COBRA (2EC)	0.094	LAA	12				
	C£COC	0.62	PMV	12				
3A	£SYNCHRONY STS 42DF	0.013	LAA	12	27	99	20	99
	B COBRA (2EC)	0.125	LAA	12				
	C£COC	0.62	PMV	12				
4A	£SYNCHRONY STS 42DF	0.013	LAA	12	7	99	12	99
	B£COC	0.62	PMV	12				
5A	UNTREATED CHECK	0.00	NA	0	0	0	0	0
6A	COBRA (2EC)	0.063	LAA	12	13	99	5	99
	B£COC	0.5	PMV	12				
7A	COBRA (2EC)	0.094	LAA	12	23	99	28	99
	B£COC	0.5	PMV	12				
8A	COBRA (2EC)	0.125	LAA	12	20	99	18	99
	B£COC	0.5	PMV	12				
9A	COBRA (2EC)	0.156	LAA	12	33	99	25	99
	B£COC	0.5	PMV	12				
10A	SELECT (2EC)	0.094	LAA	12	7	72	10	70
	B£SYNCHRONY STS 42DF	0.013	LAA	12				
	C£COC	0.5	PMV	12				
11A	SELECT (2EC)	0.094	LAA	12	18	95	8	98
	B COBRA (2EC)	0.063	LAA	12				
	C£SYNCHRONY STS 42DF	0.013	LAA	12				
	D£COC	0.5	PMV	12				
12A	SELECT (2EC)	0.125	LAA	12	2	78	7	83
	B£SYNCHRONY STS 42DF	0.013	LAA	12				
	C£COC	0.5	PMV	12				
13A	SELECT (2EC)	0.125	LAA	12	37	99	20	99
	B COBRA (2EC)	0.063	LAA	12				
	C£SYNCHRONY STS 42DF	0.013	LAA	12				
	D£COC	0.5	PMV	12				
14A	SELECT (2EC)	0.094	LAA	12	25	99	12	99
	B COBRA (2EC)	0.063	LAA	12				
	C£SYNCHRONY STS 42DF	0.013	LAA	12				
	D£COC	0.62	PMV	12				
15A	SELECT (2EC)	0.094	LAA	12	33	99	13	99
	B COBRA (2EC)	0.125	LAA	12				
	C£SYNCHRONY STS 42DF	0.013	LAA	12				
	D£COC	0.62	PMV	12				
	LSD (0.05)				7.3	5.1	10.5	4.9
	STANDARD DEVIATION				11.7	25.2	9.2	25.3

£ = SUPPLEMENTAL CHEMICAL

AUTHORITY / F6025 COMBINATIONS IN STS SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-23-96	06-19-96	06-25-96	MDY
AIR TEMPERATURE	85	84	76	½F
% REL.HUMIDITY	50	60	53	
WIND DIRECTION	NORTHEAST	SOUTHWEST	NORTHEAST	
WIND SPEED	3.0	2.0	10.0	M/H
SKY CONDITION	CLOUDY	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
SOYBEAN	HGH/NA	HGH/11	HGH/13	
ASGROW 4045STS	****/****	3.00/4.00	5.00/6.00	IN
05-23-96				
*** PEST ***				
WATERHEMP, COMMO	HGH/NA	HGH/12	HGH/15	
	****/****	1.00/1.00	2.00/3.00	IN
RAGWEED, COMMON	HGH/NA	HGH/11	HGH/12	
	****/****	1.00/1.00	2.00/3.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/11	HGH/12	
	****/****	2.00/2.00	3.00/4.00	IN
MORNINGGLORY, IV	HGH/NA	HGH/11	HGH/13	
	****/****	1.00/1.00	2.00/2.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/12	HGH/13	
	****/****	2.00/3.00	4.00/6.00	IN

*** TIMING CODES**
09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-03-96	SETFA CON % 07-03-96	DIGSA CON % 07-03-96	AMBEL CON % 07-03-96	IPOHE CON % 07-03-96	AMATA CON % 07-03-96
1A	£AUTHORITY	0.16	LAA	9	10	77	73	82	72	90
	B£F6025	0.032	LAA	9						
2A	£AUTHORITY	0.2	LAA	9	15	92	88	95	93	95
	B£F6025	0.04	LAA	9						
3A	£AUTHORITY	0.23	LAA	9	17	92	90	96	94	97
	B£F6025	0.046	LAA	9						
4A	CANOPY (75WG)	0.28	LAA	9	17	80	75	88	83	88
5A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	12	85	85	72	83	88
6A	£AUTHORITY	0.2	LAA	9	7	93	92	95	95	96
	B£F6025	0.04	LAA	9						
	C DUAL II (7.8EC)	1.5	LAA	9						
7A	£AUTHORITY	0.16	LAA	9	13	90	88	95	95	95
	B£F6025	0.04	LAA	9						
	C£SYNCHRONY STS 42DF	0.013	LAA	12						
	D£COC	1.00	PMV	12						
8A	PURSUIT DG (70WG)	0.063	LAA	11	22	92	93	96	95	96
	B PINNACLE (25WG)	0.002	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT DG (70WG)	0.063	LAA	11	33	92	92	96	93	96
	B BLAZER (2SL)	0.25	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PROWL (4EC)	1.25	LAA	9	23	96	97	94	92	97
	B PURSUIT DG (70WG)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
12A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				8.2	5.3	6.4	12.2	10.5	4.9
	STANDARD DEVIATION				10.1	25.7	25.8	27.1	26.5	26.4

TRIAL # US 452/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-19-96	SETFA CON % 07-19-96	DIGSA CON % 07-19-96	AMBEL CON % 07-19-96	IPOHE CON % 07-19-96	AMATA CON % 07-19-96
1A£	AUTHORITY	0.16	LAA	9	3	63	70	75	57	90
	B£F6025	0.032	LAA	9						
2A£	AUTHORITY	0.2	LAA	9	8	80	82	90	90	87
	B£F6025	0.04	LAA	9						
3A£	AUTHORITY	0.23	LAA	9	8	77	72	85	92	95
	B£F6025	0.046	LAA	9						
4A	CANOPY (75WG)	0.28	LAA	9	12	63	65	88	72	90
5A	PURSUIT PLUS EC (2.9EC)	0.94	LAA	9	5	78	75	63	83	88
6A£	AUTHORITY	0.2	LAA	9	7	87	87	90	95	92
	B£F6025	0.04	LAA	9						
	C DUAL II (7.8EC)	1.5	LAA	9						
7A£	AUTHORITY	0.16	LAA	9	10	93	92	96	93	96
	B£F6025	0.04	LAA	9						
	C£SYNCHRONY STS 42DF	0.013	LAA	12						
	D£COC	1.00	PMV	12						
8A	PURSUIT DG (70WG)	0.063	LAA	11	13	85	82	87	87	87
	B PINNACLE (25WG)	0.002	LAA	11						
	C£ACTIVATE PLUS	0.25	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
9A	PURSUIT DG (70WG)	0.063	LAA	11	27	82	83	88	96	96
	B BLAZER (2SL)	0.25	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
10A	PROWL (4EC)	1.25	LAA	9	12	92	90	80	92	83
	B PURSUIT DG (70WG)	0.063	LAA	11						
	C£SUNIT II	0.75	PMV	11						
	D FERTILIZER - 28%UAN	1.25	PMV	11						
11A£	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
12A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				8.6	12.0	10.0	15.0	12.4	8.2
	STANDARD DEVIATION				8.1	25.5	25.0	26.3	27.3	25.9

£ = SUPPLEMENTAL CHEMICAL

EVALUATION OF FIRST RATE FOR WEED CONTROL IN SOYBEANS
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: ***
PLOT WIDTH: 7.5 X 40 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: BROWNSTOWN

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	07	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05-31-96	05-31-96	06-26-96	06-28-96	MDY
AIR TEMPERATURE	78	78	86	0	½F
% REL.HUMIDITY	40	40	32	0	
WIND DIRECTION	SOUTH	SOUTH	SOUTHWEST	SOUTHWEST	
WIND SPEED	12.0	12.0	7.0	0.0	M/H
SKY CONDITION	CLEAR	CLEAR	CLEAR	CLEAR	
LEAF MOISTURE	DRY	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	MOIST	
SOIL CONDITION	CLODDY	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE	05-31-96				MDY
INC. START	01:30				24H
INC. END	02:00				24H
INC. DEPTH	2				IN
INC. EQUIPMENT	CULTFIELD				
	DENSITY / STAGE / MIN&MAX SIZE				
*** CROP ***					
SOYBEAN	HGH/NA	HGH/NA	HGH/12	HGH/13	
05-31-96	****/****	****/****	4.00/5.00	5.00/6.00	IN
*** PEST ***					
VELVETLEAF	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/3.00	3.00/4.00	IN
RAGWEED, COMMON	HGH/NA	HGH/NA	HGH/15	HGH/16	
	****/****	****/****	2.00/4.00	3.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	2.00/3.00	3.00/4.00	IN
FOXTAIL, GIANT	HGH/NA	HGH/NA	HGH/14	HGH/15	
	****/****	****/****	3.00/4.00	4.00/5.00	IN

*** TIMING CODES**

07 = PPI
09 = PRE
12 = POST
13 = LPOST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	CHEAL CON % 07-08-96	AMBEL CON % 07-08-96	ABUTH CON % 07-08-96	GLXMA CON % 07-30-96
1A£	FIRST RATE	0.031	LAA	7	0	83	88	99	95	0
	B TREFLAN EC (4EC)	1.00	LAA	7						
2A£	FIRST RATE	0.031	LAA	7	0	95	90	95	96	0
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
3A£	FIRST RATE	0.031	LAA	7	8	98	93	99	99	0
	B BLAZER (2SL)	0.25	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
4A	TREFLAN MTF (4EC)	1.00	LAA	7	2	72	77	95	96	0
	B£FIRST RATE	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
5A	TREFLAN MTF (4EC)	1.00	LAA	7	10	68	83	98	99	0
	B£FIRST RATE	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
6A	DUAL II (7.8EC)	1.5	LAA	9	0	90	96	99	94	0
	B£FIRST RATE	0.031	LAA	9						
7A	DUAL II (7.8EC)	1.5	LAA	9	2	90	99	98	93	0
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRST RATE	0.031	LAA	9						
8A	DUAL II (7.8EC)	1.5	LAA	9	0	93	98	99	96	0
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRST RATE	0.031	LAA	9						
9A£	FIRST RATE	0.031	LAA	9	0	95	90	99	93	0
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
10A£	FIRST RATE	0.031	LAA	9	7	98	98	98	98	0
	B SELECT (2EC)	0.094	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
11A	DUAL II (7.8EC)	1.5	LAA	9	2	92	75	92	99	0
	B£FIRST RATE	0.016	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
12A	DUAL II (7.8EC)	1.5	LAA	9	2	90	87	95	98	0
	B SENCOR DF (75WG)	0.188	LAA	9						
	C£FIRST RATE	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
13A	DUAL II (7.8EC)	1.5	LAA	9	2	93	95	94	99	0
	B SENCOR DF (75WG)	0.375	LAA	9						
	C£FIRST RATE	0.016	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
14A	DUAL II (7.8EC)	1.5	LAA	9	3	90	80	88	99	0
	B£FIRST RATE	0.016	LAA	12						
	C BLAZER (2SL)	0.25	LAA	12						
	D£ACTIVATE PLUS	0.25	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
15A£	FIRST RATE	0.016	LAA	12	0	85	55	93	98	2
	B£ACTIVATE PLUS	0.25	PMV	12						
	C FERTILIZER - 28%UAN	2.5	PMV	12						
	D SELECT (2EC)	0.094	LAA	13						
	F£COC	1.00	PMV	13						
	G FERTILIZER - 28%UAN	2.5	PMV	13						

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	GLXMA CON % 07-08-96	SETFA CON % 07-08-96	CHEAL CON % 07-08-96	AMBEL CON % 07-08-96	ABUTH CON % 07-08-96	GLXMA CON % 07-30-96
16A	£FIRST RATE	0.016	LAA	12	2	87	47	96	98	0
	B SELECT (2EC)	0.094	LAA	12						
	C£COC	1.00	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
17A	£FIRST RATE	0.016	LAA	12	8	75	82	99	99	3
	B BLAZER (2SL)	0.25	LAA	12						
	C£ACTIVATE PLUS	0.25	PMV	12						
	D FERTILIZER - 28%UAN	2.5	PMV	12						
	E SELECT (2EC)	0.094	LAA	13						
	G£COC	1.00	PMV	13						
	H FERTILIZER - 28%UAN	2.5	PMV	13						
18A	£FIRST RATE	0.016	LAA	12	8	95	93	99	99	0
	B BLAZER (2SL)	0.25	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D£COC	1.00	PMV	12						
	E FERTILIZER - 28%UAN	2.5	PMV	12						
19A	£HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
20A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)			3.5	6.1	10.4	5.6	5.9	2.4
		STANDARD DEVIATION			3.8	28.1	29.2	21.4	21.5	1.4

TRIAL # US 451/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-30-96	CHEAL CON % 07-30-96	AMBEL CON % 07-30-96	ABUTH CON % 07-30-96
1A£	FIRST RATE	0.031	LAA	7	60	80	80	90
	B TREFLAN EC (4EC)	1.00	LAA	7				
2A£	FIRST RATE	0.031	LAA	7	87	68	94	83
	B SELECT (2EC)	0.094	LAA	12				
	C£COC	1.00	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
3A£	FIRST RATE	0.031	LAA	7	83	78	91	93
	B BLAZER (2SL)	0.25	LAA	12				
	C SELECT (2EC)	0.094	LAA	12				
	D£COC	1.00	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
4A	TREFLAN MTF (4EC)	1.00	LAA	7	43	67	94	98
	B£FIRST RATE	0.016	LAA	12				
	C£ACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
5A	TREFLAN MTF (4EC)	1.00	LAA	7	43	73	83	96
	B£FIRST RATE	0.016	LAA	12				
	C BLAZER (2SL)	0.25	LAA	12				
	D£ACTIVATE PLUS	0.25	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
6A	DUAL II (7.8EC)	1.5	LAA	9	82	88	96	83
	B£FIRST RATE	0.031	LAA	9				
7A	DUAL II (7.8EC)	1.5	LAA	9	80	85	87	77
	B SENCOR DF (75WG)	0.188	LAA	9				
	C£FIRST RATE	0.031	LAA	9				
8A	DUAL II (7.8EC)	1.5	LAA	9	78	90	95	77
	B SENCOR DF (75WG)	0.375	LAA	9				
	C£FIRST RATE	0.031	LAA	9				
9A£	FIRST RATE	0.031	LAA	9	82	67	91	68
	B SELECT (2EC)	0.094	LAA	12				
	C£COC	1.00	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
10A£	FIRST RATE	0.031	LAA	9	73	75	95	99
	B SELECT (2EC)	0.094	LAA	12				
	C BLAZER (2SL)	0.25	LAA	12				
	D£COC	1.00	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
11A	DUAL II (7.8EC)	1.5	LAA	9	85	37	93	98
	B£FIRST RATE	0.016	LAA	12				
	C£ACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
12A	DUAL II (7.8EC)	1.5	LAA	9	78	70	96	98
	B SENCOR DF (75WG)	0.188	LAA	9				
	C£FIRST RATE	0.016	LAA	12				
	D£ACTIVATE PLUS	0.25	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
13A	DUAL II (7.8EC)	1.5	LAA	9	87	80	98	96
	B SENCOR DF (75WG)	0.375	LAA	9				
	C£FIRST RATE	0.016	LAA	12				
	D£ACTIVATE PLUS	0.25	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
14A	DUAL II (7.8EC)	1.5	LAA	9	78	60	93	98
	B£FIRST RATE	0.016	LAA	12				
	C BLAZER (2SL)	0.25	LAA	12				
	D£ACTIVATE PLUS	0.25	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
15A£	FIRST RATE	0.016	LAA	12	83	33	98	98
	B£ACTIVATE PLUS	0.25	PMV	12				
	C FERTILIZER - 28%UAN	2.5	PMV	12				
	D SELECT (2EC)	0.094	LAA	13				
	F£COC	1.00	PMV	13				
	G FERTILIZER - 28%UAN	2.5	PMV	13				

TRIAL # US 451/96/01 000 03 -

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SETFA CON % 07-30-96	CHEAL CON % 07-30-96	AMBEL CON % 07-30-96	ABUTH CON % 07-30-96
16	A£FIRST RATE	0.016	LAA	12	95	32	99	99
	B SELECT (2EC)	0.094	LAA	12				
	C£COC	1.00	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
17	A£FIRST RATE	0.016	LAA	12	88	82	96	98
	B BLAZER (2SL)	0.25	LAA	12				
	C£ACTIVATE PLUS	0.25	PMV	12				
	D FERTILIZER - 28%UAN	2.5	PMV	12				
	E SELECT (2EC)	0.094	LAA	13				
	G£COC	1.00	PMV	13				
	H FERTILIZER - 28%UAN	2.5	PMV	13				
18	A£FIRST RATE	0.016	LAA	12	87	80	96	96
	B BLAZER (2SL)	0.25	LAA	12				
	C SELECT (2EC)	0.094	LAA	12				
	D£COC	1.00	PMV	12				
	E FERTILIZER - 28%UAN	2.5	PMV	12				
19	A£HAND WEEDED	0.00	NA	0	99	99	99	99
20	A UNTREATED CHECK	0.00	NA	0	0	0	0	0
		LSD (0.05)			10.6	17.5	10.4	10.7
		STANDARD DEVIATION			22.8	25.5	21.6	22.5

£ = SUPPLEMENTAL CHEMICAL

ALS HERBICIDE / COUNTER 20CR INTERACTIONS IN CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: S
PH: 6.5
%OM: 0.4
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: SAND FARM

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-25-96	05-29-96	06-07-96	MDY
AIR TEMPERATURE	64	68	70	½F
% REL.HUMIDITY	70	75	65	
WIND DIRECTION	SOUTHWEST	NORTHWEST	NORTH	
WIND SPEED	5.0	7.0	3.0	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/13	HGH/15	
PIONEER 3394	****/****	6.00/8.00	10.0/12.0	IN
04-25-96				

*** TIMING CODES**
09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 435/96/01 000 02 - SFCNTR1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-13-96	ZEAMD CON % 06-20-96	ZEAMD CON % 07-11-96
1A	ACCENT (75WG)	0.031	LAA	12	0	0	0
	B£ACTIVATE PLUS	0.25	PMV	12			
	C FERTILIZER - 28%UAN	5.00	PMV	12			
2A	ACCENT (75WG)	0.016	LAA	12	10	5	0
	B BEACON (75WG)	0.018	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
3A	£EXCEED	0.036	LAA	12	12	5	2
	B ACCENT (75WG)	0.016	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
4A	BASIS (75WG)	0.015	LAA	11	13	7	3
	B£ACTIVATE PLUS	0.25	PMV	11			
	C FERTILIZER - 28%UAN	5.00	PMV	11			
5A	UNTREATED CHECK	0.00	NA	0	0	0	0
6A	£EXCEED	0.036	LAA	12	10	5	0
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
7A	PERMIT (75WG)	0.036	LAA	12	12	8	8
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
8A	£SCORPION III 84.3WG	0.21	LAA	12	2	0	0
	B£ACTIVATE PLUS	0.25	PMV	12			
	C FERTILIZER - 28%UAN	5.00	PMV	12			
9A	£SCORPION III 84.3WG	0.21	LAA	12	7	0	0
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
10A	BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9	3	0	0
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
11A	BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	11	2	0	0
12A	£COUNTER 15G INFUR	8.00	OMF	0	10	5	3
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
13A	£COUNTER 20CR BAND	6.00	OMF	0	3	0	0
	B ACCENT (75WG)	0.031	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
14A	£COUNTER 20CR BAND	6.00	OMF	0	17	10	2
	B ACCENT (75WG)	0.016	LAA	12			
	C BEACON (75WG)	0.018	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			
15A	£COUNTER 20CR BAND	6.00	OMF	0	10	5	0
	B£EXCEED	0.036	LAA	12			
	C ACCENT (75WG)	0.016	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			
16A	£COUNTER 20CR BAND	6.00	OMF	0	38	30	27
	B BASIS (75WG)	0.015	LAA	11			
	C£ACTIVATE PLUS	0.25	PMV	11			
	D FERTILIZER - 28%UAN	5.00	PMV	11			
17A	£COUNTER 20CR BAND	6.00	OMF	0	10	5	3
	B£EXCEED	0.036	LAA	12			
	C ACCENT (75WG)	0.031	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			

TRIAL # US 435/96/01 000 02 - SFCNTR1

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-13-96	ZEAMD CON % 06-20-96	ZEAMD CON % 07-11-96
18	A£COUNTER 20CR BAND	6.00	OMF	0	2	0	0
	B PERMIT (75WG)	0.031	LAA	12			
	C ACCENT (75WG)	0.031	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			
19	A£COUNTER 20CR BAND	6.00	OMF	0	2	0	0
	B£SCORPION III 84.3WG	0.21	LAA	12			
	C£ACTIVATE PLUS	0.25	PMV	12			
	D FERTILIZER - 28%UAN	5.00	PMV	12			
20	A£COUNTER 20CR BAND	6.00	OMF	0	2	2	0
	B£SCORPION III 84.3WG	0.21	LAA	12			
	C ACCENT (75WG)	0.031	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			
21	A£COUNTER 20CR BAND	6.00	OMF	0	2	2	0
	B BROADSTRIKE + DUAL (7.67SC)	2.4	LAA	9			
	C ACCENT (75WG)	0.031	LAA	12			
	D£ACTIVATE PLUS	0.25	PMV	12			
	E FERTILIZER - 28%UAN	5.00	PMV	12			
22	A£COUNTER 20CR BAND	6.00	OMF	0	0	0	0
	B BROADSTRIKE PLUS CORN PRE/PPI	0.26	LAA	11			
23	A£COUNTER 15G INFUR	8.00	OMF	0	18	20	18
	B£BASIS	0.015	LAA	11			
	C FERTILIZER - 28%UAN	5.00	PMV	11			
24	A£HAND WEEDED	0.00	NA	0	0	0	0
			LSD (0.05)		9.1	7.2	6.0
			STANDARD DEVIATION		9.6	7.9	7.0

£ = SUPPLEMENTAL CHEMICAL

GRASS CONTROL IN SETHOXYDIM RESISTANT CORN
APPLICATIONS

SOIL INFORMATION

TEXTURE: S
PH: 6.5
%OM: 0.4
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: ***
PLOT WIDTH: 10 X 30 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3
LOCATION: SAND FARM

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04-25-96	05-17-96	05-29-96	MDY
AIR TEMPERATURE	68	76	77	½F
% REL.HUMIDITY	70	75	33	
WIND DIRECTION	NORTHWEST	WEST	SOUTH	
WIND SPEED	5.0	7.0	8.0	M/H
SKY CONDITION	PARTCLDY	PARTCLDY	PARTCLDY	
LEAF MOISTURE	DRY	DRY	DRY	
ROOT MOISTURE	MOIST	MOIST	MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
	DENSITY /STAGE / MIN MAX SIZE			
*** CROP ***				
CORN, DENT	HGH/NA	HGH/14	HGH/16	
DEKALB 592SR	****/****	5.00/5.00	7.00/8.00	IN
04-25-96				
*** PEST ***				
RAGWEED, COMMON	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	3.00/4.00	IN
SANDBUR, LONGSPI	HGH/NA	HGH/13	HGH/15	
	****/****	3.00/3.00	4.00/5.00	IN
LAMBSQUARTERS, C	HGH/NA	HGH/14	HGH/16	
	****/****	2.00/2.00	3.00/3.00	IN
CRABGRASS, LARGE	HGH/NA	HGH/12	HGH/14	
	****/****	2.00/2.00	3.00/5.00	IN
NIGHTSHADE, EAST	HGH/NA	HGH/13	HGH/15	
	****/****	2.00/3.00	3.00/4.00	IN
PUNCTUREVINE	HGH/NA	HGH/13	HGH/15	
	****/****	2.00/3.00	3.00/5.00	IN

*** TIMING CODES**

09 = PRE
11 = EPOST
12 = POST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
NA = NOT APPLICABLE / NOT AVAILABLE

TRIAL # US 510/96/01 000 02 - SFPCGRS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06-24-96	CCHPA CON % 06-24-96	DIGSA CON % 06-24-96	CHEAL CON % 06-24-96	AMBEL CON % 06-24-96	TRBTE CON % 06-24-96
1A	PROWL 3.3EC	0.83	LAA	9	0	40	60	57	50	53
2A	PROWL 3.3EC	1.03	LAA	9	0	57	67	68	65	70
3A	PROWL 3.3EC	0.83	LAA	9	0	93	92	88	58	87
B	ACCENT (75WG)	0.023	LAA	11						
C	ACTIVATE PLUS	0.25	PMV	11						
4A	PROWL 3.3EC	0.83	LAA	11	0	92	90	83	73	93
B	ACCENT (75WG)	0.023	LAA	11						
C	ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
5A	PROWL 3.3EC	0.83	LAA	9	0	88	85	97	97	97
B	BEACON (75WG)	0.026	LAA	11						
C	ACTIVATE PLUS	0.25	PMV	11						
6A	PROWL 3.3EC	0.83	LAA	11	0	80	77	73	83	82
B	BEACON (75WG)	0.026	LAA	11						
C	ACTIVATE PLUS	0.25	PMV	11						
D	FERTILIZER - 28%UAN	2.5	PMV	11						
7A	AXIOM	0.55	LAA	9	0	93	94	60	67	58
B	POAST PLUS (1EC)	0.188	LAA	12						
8A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0	0
9A	POAST PLUS (1EC)	0.14	LAA	11	0	93	93	0	0	0
B	POAST PLUS (1EC)	0.14	LAA	12						
10A	POAST PLUS (1EC)	0.188	LAA	11	0	93	96	98	98	98
B	MARKSMAN (3.2SC)	0.8	LAA	11						
11A	POAST PLUS (1EC)	0.188	LAA	12	0	82	85	95	95	95
B	ATRAZINE 90DF (WG)	1.00	LAA	12						
12A	POAST PLUS (1EC)	0.188	LAA	11	0	92	93	94	93	94
B	CLARITY (4SL)	0.5	LAA	11						
13A	POAST PLUS (1EC)	0.14	LAA	11	0	92	93	52	60	73
B	PROWL 3.3EC	0.83	LAA	12						
14A	BASIS	0.016	LAA	11	0	57	67	60	67	67
B	CULTIVATE 14DAT	0.00	NA	0						
15A	PROWL 3.3EC	0.83	LAA	9	0	97	97	77	77	85
B	POAST PLUS (1EC)	0.14	LAA	11						
16A	POAST PLUS (1EC)	0.14	LAA	12	0	95	95	0	0	0
17A	POAST PLUS (1EC)	0.188	LAA	12	0	94	96	0	0	0
18A	PROWL 3.3EC	0.83	LAA	12	0	88	90	53	60	73
B	POAST PLUS (1EC)	0.14	LAA	12						
19A	PROWL 3.3EC	0.83	LAA	12	0	87	90	53	63	77
B	POAST PLUS (1EC)	0.188	LAA	12						
20A	POAST PLUS (1EC)	0.188	LAA	12	0	80	83	86	91	86
B	LADDOK S12	1.04	LAA	12						
21A	POAST PLUS (1EC)	0.188	LAA	12	0	85	87	57	70	70
B	FRONTIER 6.0EC	0.84	LAA	12						
22A	POAST PLUS (1EC)	0.188	LAA	12	0	88	92	68	72	70
B	DUAL II (7.8EC)	1.71	LAA	12						
	LSD (0.05)				0.0	10.4	11.4	14.5	15.3	15.0
	STANDARD DEVIATION				0.0	23.1	21.4	32.7	32.5	33.6

TRIAL # US 510/96/01 000 02 - SFPCGRS

TRT NUM	COMPOUND TESTED	DOSAGE RATE	UNIT	TM	SOLPT CON % 06-24-96
1A	PROWL 3.3EC	0.83	LAA	9	43
2A	PROWL 3.3EC	1.03	LAA	9	60
3A	PROWL 3.3EC	0.83	LAA	9	70
B	ACCENT (75WG)	0.023	LAA	11	
C£	ACTIVATE PLUS	0.25	PMV	11	
4A	PROWL 3.3EC	0.83	LAA	11	80
B	ACCENT (75WG)	0.023	LAA	11	
C£	ACTIVATE PLUS	0.25	PMV	11	
D	FERTILIZER - 28%UAN	2.5	PMV	11	
5A	PROWL 3.3EC	0.83	LAA	9	92
B	BEACON (75WG)	0.026	LAA	11	
C£	ACTIVATE PLUS	0.25	PMV	11	
6A	PROWL 3.3EC	0.83	LAA	11	72
B	BEACON (75WG)	0.026	LAA	11	
C£	ACTIVATE PLUS	0.25	PMV	11	
D	FERTILIZER - 28%UAN	2.5	PMV	11	
7A£	AXIOM	0.55	LAA	9	60
B	POAST PLUS (1EC)	0.188	LAA	12	
8A	UNTREATED CHECK	0.00	NA	0	0
9A	POAST PLUS (1EC)	0.14	LAA	11	0
B	POAST PLUS (1EC)	0.14	LAA	12	
10A	POAST PLUS (1EC)	0.188	LAA	11	96
B	MARKSMAN (3.2SC)	0.8	LAA	11	
11A	POAST PLUS (1EC)	0.188	LAA	12	95
B	ATRAZINE 90DF (WG)	1.00	LAA	12	
12A	POAST PLUS (1EC)	0.188	LAA	11	93
B	CLARITY (4SL)	0.5	LAA	11	
13A	POAST PLUS (1EC)	0.14	LAA	11	47
B	PROWL 3.3EC	0.83	LAA	12	
14A£	BASIS	0.016	LAA	11	63
B£	CULTIVATE 14DAT	0.00	NA	0	
15A	PROWL 3.3EC	0.83	LAA	9	83
B	POAST PLUS (1EC)	0.14	LAA	11	
16A	POAST PLUS (1EC)	0.14	LAA	12	0
17A	POAST PLUS (1EC)	0.188	LAA	12	0
18A	PROWL 3.3EC	0.83	LAA	12	73
B	POAST PLUS (1EC)	0.14	LAA	12	
19A	PROWL 3.3EC	0.83	LAA	12	62
B	POAST PLUS (1EC)	0.188	LAA	12	
20A	POAST PLUS (1EC)	0.188	LAA	12	85
B£	LADDOK S12	1.04	LAA	12	
21A	POAST PLUS (1EC)	0.188	LAA	12	72
B£	FRONTIER 6.0EC	0.84	LAA	12	
22A	POAST PLUS (1EC)	0.188	LAA	12	68
B	DUAL II (7.8EC)	1.71	LAA	12	
		LSD (0.05)			18.2
		STANDARD DEVIATION			32.6

£ = SUPPLEMENTAL CHEMICAL

REPORTS OF THE FOLLOWING INDIVIDUAL STUDIES CAN BE PROVIDED UPON REQUEST.

URBANA
345 ROUNDUP SURFACTANT STUDY

DEKALB
*714 WEED CONTROL IN STS SOYBEANS

PONTIAC
*801 WOOLLY CUPGRASS CONTROL IN POAST COMPATIBLE CORN I
*802 WOOLLY CUPGRASS CONTROL IN POAST COMPATIBLE CORN I
*803 WOOLLY CUPGRASS CONTROL IN CORN
*804 EVALUATION OF EXP31130A FOR WOOLLY CUPGRASS CONTROL IN CORN
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*SEVERE ENVIRONMENTAL CONDITIONS LIMITED DATA COLLECTION.

Multi-species evaluation of preemergence herbicide treatments. Baird, Dale L., Matt P. Montgomery, Jeffery C. West, Montie E. Milner, Lyle E. Paul, and Ellery L. Knake. The purpose of this study was to evaluate crop tolerance and herbicide efficacy for herbicides surface-applied preemergence. The study included most all common crops and many of the weeds common to Illinois.

Location :	DeKalb SW800	Soil pH:	6.3	Planting date:	May 3, 1996
Plot size:	10 X 150 ft	Soil type:	Drummer silty clay loam	Row spacing:	30 inch & 5 ft
Drainage:	Fair				
Organic Matter:	5 to 6%	Slope:	1 to 2%		

Tillage: A mold-board plow was used November 9, 1995 and on April 12, 1996 the area was tilled twice with a mulch finisher that had one set of disk blades, and a four bar field cultivator unit follow by a harrow. The corn and soybeans were planted with a John Deere Max Emerge 2 four row planter using a plateless meter for the corn and bean cups for the soybeans. Wheat and oats were seeded in 7.5 inch rows with a grain drill. All other crops and weeds were seeded with a Brillion seeder. Corn and soybeans were in 30 inch rows with a corn population of 22,000 to 34,000 and a soybean population of approximately 200,000 with some variation according to cultivar and size of seed. The only fertilizer applied for 1996 was 160 lb/A nitrogen as 28% liquid UAN on the corn. Crops and weeds were seeded in a north-south direction and herbicides applied in an east-west direction.

An IHC 274 tractor with a front mounted spray boom and compressed air unit was used spraying at 3 mph with 30 psi and 8004 flat fan nozzle tips to give 25 gpa. Width of spray was 10 feet broadcast with nozzles spaced 20 inches apart and 20 inches above the soil surface. Spray was applied to the soil surface immediately after crops and weeds were seeded. Rain followed soon after herbicide application was completed and moist conditions followed for several weeks.

Ratings were made June 5 for corn, soybeans, wheat, oats, alfalfa, red clover, giant foxtail, yellow foxtail, green foxtail, barnyardgrass, redroot pigweed and velvetleaf. Sorghym, shattercane, fall panicum, waterhemp, giant ragweed, woolly cupgrass, eastern black nightshade, prickly sida, ivyleaf morningglory and jimsonweed were rated June 6. Large crabrass and common lambsquarters were rated June 16. Common ragweed, ladysthumb smartweed, and hairy nightshade were rated July 12. The smartweed was from a natural infestation. Common waterhemp and hairy nightshade were seeded for the first time this year. The eastern black nightshade was from seeding in previous years. Both the new seeding and weeds from seeding in previous years were considered for many of the weed ratings.

Date of spraying	May 3, 1996
Time:	2:00 - 5:00 PM
Treatment:	Preemergence
Temperature (F)	
air:	55.2 to 59.4
soil (2 inch):	54°
Soil Moisture:	Moist
Wind (mph)	2.6 to 11.4 NE (31 to 80 degrees)
Sky (% overcast):	80%
Relative humidity %	61.7 to 81.1
Rainfall (inch)	
Previous week:	2.44
following week:	1.95

(Dept. of Crop Sciences, University of Illinois, Urbana.)

Table 1. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	IPSA Corn Inbreds I2632	I6841	I1064	I1956	I6570	I6860	I6891	I8433
		corn injury							
	lb/A	%	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	10	10	10	30	20	10	20	10
Partner 65WDG	4.62 lb	0	0	0	20	20	0	10	0
Dual II 7.8E	2.56 pt	0	10	10	20	10	0	10	0
Magnum 7.62E	1 qt	0	10	10	20	10	0	10	0
Surpass 6.4E	2.5 pt	0	10	10	20	10	0	10	0
Topnotch 3.2 CS	2.5 qt	0	10	10	20	10	0	0	0
Harness 7E	2.25 pt	0	10	10	20	10	0	0	0
Frontier 6E	30 oz	10	10	10	20	10	10	10	10
Bullet 4SC	1 gal	10	10	10	20	20	10	10	0
Bicep II 5.9L	3 qt	0	10	20	20	10	10	10	0
Surpass 100 5L	3 qt	0	10	0	10	10	10	10	0
Harness Xtra 5.6L	2.5 qt	0	10	10	10	10	10	10	0
Check		0	0	0	0	0	0	0	0
Guardsman 5L	5 pt	0	10	10	20	20	10	10	0
Broadstrike+Dual 7.67SC	2.5 pt	0	10	20	20	10	20	10	20
Broadstrike Plus 85.6WG	0.25 lb	0	10	20	20	10	10	10	0
Firstrate 84WG	0.046 lb	0	10	10	10	10	10	10	10
Firstrate 84WG+	0.046 lb+	0	20	20	20	20	20	20	20
Prowl 3.3EC	3 pt								
Pursuit 70 DG	1.44 oz	20	20	30	30	20	20	20	20
Scepter 1.5AS	0.67 pt	30	30	30	40	30	30	30	30
Raptor 1.0AC	5 oz	20	40	40	50	40	40	40	40
Pursuit Plus 2.9E	2.5 pt	30	30	40	70	40	40	40	40
Pursuit 70 DG+	1.44 oz+	30	30	40	60	40	40	40	40
Dual II 7.8E	1.25 pt								
Contour 3.38SC	1.33 pt	30	30	10	40	30	30	30	20
Steel (Scepter 1.5 AS +	0.33 pt +	50	50	50	70	60	60	50	60
Pursuit Plus 2.9E)	2.5 pt								
Axiom 68DF	22 oz	20	40	30	50	60	70	60	20
Balance 75WDG	2 oz	20	20	30	40	30	30	30	20
Canopy 75DF	7 oz	50	60	50	70	40	60	70	60
Sencor 75DF	0.5 lb	50	50	50	70	40	60	70	60
Command 4E	1 qt	90	80	80	80	80	80	90	90
Command 3ME	1.33 qt	90	80	80	80	80	80	90	80
Authority 75DF	0.266 lb	60	60	60	70	50	40	50	60
Check		0	0	0	0	0	0	0	0
Authority 75DF	0.416 lb	70	70	70	80	60	50	60	70
Authority 75DF	0.5 lb	80	80	80	90	70	60	70	80
Command 3E+	1.33 qt +	90	80	80	90	80	70	70	90
Authority 75DF	0.5 lb								
Authority 75DF+	0.266 lb +	70	80	80	80	70	70	70	70
F6025 25DF	0.16 lb								
Authority 75DF+	0.35 lb +	80	90	90	90	80	80	80	80
F6025 25DF	0.21 lb								
Pursuit Plus 2.9E+	2.5 pt+	80	80	80	80	80	80	80	80
Authority 75DG	0.35 lb								
Firstrate 84WG+	0.046 lb+	80	80	90	90	80	80	90	80
Authority 75DF	0.35 lb								
AAtrex 90DG	2.2 lb	0	0	0	0	0	0	0	0
Bladex 90DG	2.2 lb	0	10	0	20	10	0	0	0
AAtrex 90DG+	1.1 lb+	0	10	0	20	10	0	0	0
Bladex 90DG	3.3 lb								
AAtrex 90DG+	2.2 lb+	0	10	0	20	10	0	0	0
Bladex 90DG	2.2 lb								
Reflex 2LC	1.5 pt	90	90	80	90	90	80	80	90
Select 2E	8 oz	90	80	90	95	80	80	80	90
Assure II 0.88E	8 oz	80	70	80	90	80	60	70	80
Fusion 2.66E	8 oz	80	70	80	90	80	70	70	80
Poast Plus 1.0E	24 oz	80	70	80	90	80	70	70	80
Exceed 57WG	1.0 oz	20	10	10	20	10	10	10	10

Table 2. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Corn Hybrids: Pioneer 3417	Pioneer 3417IR	Asgrow 8925IT	DeKalb 592SR	Asgrow RX620SR	Asgrow X7545L	Sorghum: CIBA-G1492 Untreated	CIBA-G1492 Concep
		corn injury							
	lb/A	%	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	10	10	10	10	10	10	80	80
Partner 65WDG	4.62 lb	0	0	0	0	0	0	50	0
Dual II 7.8E	2.56 pt	0	0	0	0	0	0	50	0
Magnum 7.62E	1 qt	0	0	0	0	0	0	50	0
Surpass 6.4E	2.5 pt	0	0	0	0	0	0	70	0
Topnotch 3.2 CS	2.5 qt	0	0	0	0	0	0	70	0
Harness 7E	2.25 pt	0	0	0	0	0	0	70	10
Frontier 6E	30 oz	0	0	0	0	0	0	70	0
Bullet 4SC	1 gal	0	0	0	0	0	0	70	0
Bicep II 5.9L	3 qt	0	0	0	0	0	0	70	0
Surpass 100 5L	3 qt	0	0	0	0	0	0	90	10
Harness Xtra 5.6L	2.5 qt	0	0	0	0	0	0	90	20
Check		0	0	0	0	0	0	0	0
Guardsman 5L	5 pt	0	0	0	0	0	0	80	20
Broadstrike+Dual 7.67SC	2.5 pt	0	0	0	0	0	0	80	30
Broadstrike Plus 85.6WG	0.25 lb	0	0	0	0	0	0	20	10
Firstrate 84WG	0.046 lb	20	10	10	20	20	30	70	70
Firstrate 84WG+ Prowl 3.3EC	0.046 lb+ 3 pt	20	10	10	10	10	20	80	80
Pursuit 70 DG	1.44 oz	50	10	10	30	30	40	80	80
Scepter 1.5AS	0.67 pt	40	20	10	50	40	50	10	10
Raptor 1.0AC	5 oz	50	20	10	50	40	50	50	50
Pursuit Plus 2.9E	2.5 pt	60	20	10	30	30	40	80	80
Pursuit 70 DG+ Dual II 7.8E	1.44 oz+ 1.25 pt	50	10	10	50	40	40	90	80
Contour 3.38SC	1.33 pt	50	10	10	40	40	40	90	80
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	60	30	30	80	50	60	90	80
Axiom 68DF	22 oz	10	10	10	10	10	10	80	80
Balance 75WDG	2 oz	0	0	0	0	0	0	90	90
Canopy 75DF	7 oz	60	60	60	70	60	60	80	80
Sencor 75DF	0.5 lb	60	60	60	70	60	60	98	90
Command 4E	1 qt	80	80	80	80	70	90	90	90
Command 3ME	1.33 qt	70	70	70	70	60	80	90	90
Authority 75DF	0.266 lb	40	40	30	50	30	50	40	30
Check		0	0	0	0	0	0	0	0
Authority 75DF	0.416 lb	60	50	50	60	40	60	70	50
Authority 75DF	0.5 lb	70	60	60	70	50	70	90	70
Command 3E+ Authority 75DF	1.33 qt + 0.5 lb	80	70	70	80	60	80	100	100
Authority 75DF+ F6025 25DF	0.266 lb + 0.16 lb	70	60	60	60	60	60	80	80
Authority 75DF+ F6025 25DF	0.35 lb + 0.21 lb	80	70	60	70	70	70	90	90
Pursuit Plus 2.9E+ Authority 75DG	2.5 pt+ 0.35 lb	50	40	50	60	40	60	97	90
Firstrate 84WG+ Authority 75DF	0.046 lb+ 0.35 lb	60	50	50	50	50	50	90	80
AAtrex 90DG	2.2 lb	0	0	0	0	0	0	80	80
Bladex 90DG	2.2 lb	0	0	0	0	0	0	100	100
AAtrex 90DG+ Bladex 90DG	1.1 lb+ 3.3 lb	0	0	0	0	0	0	99	99
AAtrex 90DG+ Bladex 90DG	2.2 lb+ 2.2 lb	0	0	0	0	0	0	99	99
Reflex 2LC	1.5 pt	80	70	90	90	80	100	100	100
Select 2E	8 oz	70	70	50	30	10	60	97	97
Assure II 0.88E	8 oz	30	30	30	20	20	30	40	40
Fusion 2.66E	8 oz	20	20	20	20	10	20	40	40
Poast Plus 1.0E	24 oz	20	20	20	10	0	20	40	40
Exceed 57WG	1.0 oz	0	0	0	0	0	0	99	99

Table 3. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Soybeans			Wheat	Oats	Red Clover	Alfalfa
		Asgrow A2704 STS	Asgrow A3322 LL	Asgrow AG3001 RR	Howell	Ogle	Scarlett	Magnum IV
		crop injury						
	lb/A	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	0	0	0	10	20	60	60
Partner 65WDG	4.62 lb	0	0	0	50	70	85	75
Dual II 7.8E	2.56 pt	0	0	0	60	60	80	70
Magnum 7.62E	1 qt	0	0	0	70	60	80	70
Surpass 6.4E	2.5 pt	30	30	30	80	95	100	80
Topnotch 3.2 CS	2.5 qt	30	30	30	80	90	100	80
Harness 7E	2.25 pt	30	30	30	80	90	100	80
Frontier 6E	30 oz	10	10	10	70	60	90	80
Bullet 4SC	1 gal	80	80	80	80	95	100	100
Bicep II 5.9L	3 qt	80	80	80	80	90	100	100
Surpass 100 5L	3 qt	80	80	80	90	95	100	100
Harness Xtra 5.6L	2.5 qt	80	80	80	90	95	100	100
Check		0	0	0	0	0	0	0
Guardsman 5L	5 pt	80	80	80	80	80	100	100
Broadstrike+Dual 7.67SC	2.5 pt	10	10	10	60	40	80	70
Broadstrike Plus 85.6WG	0.25 lb	80	80	80	20	40	100	100
Firstrate 84WG	0.046 lb	0	0	0	40	40	80	80
Firstrate 84WG+ Prowl 3.3EC	0.046 lb+ 3 pt	0	0	0	50	60	80	80
Pursuit 70 DG	1.44 oz	0	0	0	60	80	70	70
Scepter 1.5AS	0.67 pt	0	0	0	50	40	70	70
Raptor 1.0AC	5 oz	0	0	0	60	70	60	70
Pursuit Plus 2.9E	2.5 pt	10	10	10	70	85	70	70
Pursuit 70 DG+ Dual II 7.8E	1.44 oz+ 1.25 pt	0	0	0	60	80	80	80
Contour 3.38SC	1.33 pt	10	10	10	70	85	90	80
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	10	10	10	70	85	80	80
Axiom 68DF	22 oz	20	20	20	60	70	100	100
Balance 75WDG	2 oz	80	80	80	30	30	100	100
Canopy 75DF	7 oz	0	10	10	75	80	100	90
Sencor 75DF	0.5 lb	0	10	10	30	80	100	100
Command 4E	1 qt	0	0	0	90	90	95	100
Command 3ME	1.33 qt	0	0	0	80	80	90	95
Authority 75DF	0.266 lb	10	10	10	10	40	90	100
Check		0	0	0	0	0	0	0
Authority 75DF	0.416 lb	20	20	20	30	60	95	95
Authority 75DF	0.5 lb	30	30	30	40	70	100	100
Command 3E+ Authority 75DF	1.33 qt+ 0.5 lb	40	30	40	80	90	100	100
Authority 75DF+ F6025 25DF	0.266 lb + 0.16 lb	50	30	50	80	80	100	100
Authority 75DF+ F6025 25DF	0.35 lb + 0.21	90	30	100	85	85	100	100
Pursuit Plus 2.9E+ Authority 75DG	2.5 pt + 0.35 lb	90	30	80	80	80	100	100
Firstrate 84WG+ Authority 75DF	0.046 lb + 0.35 lb	90	30	90	70	70	100	100
AAtrex 90DG	2.2 lb	90	90	90	90	100	100	100
Bladex 90DG	2.2 lb	70	70	70	80	80	100	100
AAtrex 90DG+ Bladex 90DG	1.1 lb+ 3.3 lb	90	90	90	80	100	100	100
AAtrex 90DG+ Bladex 90DG	2.2 lb+ 2.2 lb	90	90	90	90	100	100	100
Reflex 2LC	1.5 pt	20	10	20	70	70	100	100
Select 2E	8 oz	0	0	0	80	90	10	10
Assure II 0.88E	8 oz	0	0	0	50	50	10	10
Fusion 2.66E	8 oz	0	0	0	50	50	10	10
Poast Plus 1.0E	24 oz	0	0	0	50	70	10	10
Exceed 57WG	1.0 oz	80	50	60	80	75	90	90

Table 5. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Ilmg	Corw	Girw
		control						
	lb/A	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	90	99	10	0	90	0	50
Partner 65WDG	4.62 lb	100	95	20	50	50	10	80
Dual II 7.8E	2.56 pt	100	85	20	50	50	0	80
Magnum 7.62E	1 qt	98	90	30	50	60	0	98
Surpass 6.4E	2.5 pt	100	100	40	100	70	100	98
Topnotch 3.2 CS	2.5 qt	100	99	30	100	60	80	98
Harness 7E	2.25 pt	100	100	30	100	60	80	98
Frontier 6E	30 oz	100	98	20	90	60	70	98
Bullet 4SC	1 gal	100	100	98	100	100	100	98
Bicep II 5.9L	3 qt	100	100	98	90	100	100	98
Surpass 100 5L	3 qt	100	100	99	99	100	100	98
Harness Xtra 5.6L	2.5 qt	100	100	99	100	100	100	98
Check		0	0	0	0	0	0	0
Guardsman 5L	5 pt	100	100	99	100	100	100	98
Broadstrike+Dual 7.67SC	2.5 pt	100	100	85	99	70	0	80
Broadstrike Plus 85.6WG	0.25 lb	100	100	85	100	70	100	80
Firstrate 84WG	0.046 lb	100	100	98	50	85	100	95
Firstrate 84WG+ Prowl 3.3EC	0.046 lb+ 3 pt	100	100	96	50	85	100	90
Pursuit 70 DG	1.44 oz	100	100	98	50	70	20	80
Scepter 1.5AS	0.67 pt	100	100	98	50	80	90	80
Raptor 1.0AC	5 oz	100	98	98	50	80	0	20
Pursuit Plus 2.9E	2.5 pt	100	100	99	50	85	20	80
Pursuit 70 DG+ Dual II 7.8E	1.44 oz+ 1.25 pt	100	100	99	50	80	20	80
Contour 3.38SC	1.33 pt	100	100	99	50	80	0	80
Steel (Scepter 1.5 AS + Pursuit Plus 2.9E)	0.33 pt + 2.5 pt	100	100	99	50	85	70	50
Axiom 68DF	22 oz	100	100	99	80	80	100	50
Balance 75WDG	2 oz	100	100	100	10	100	100	10
Canopy 75DF	7 oz	100	100	100	100	70	100	90
Sencor 75DF	0.5 lb	100	100	100	50	40	100	80
Command 4E	1 qt	98	100	100	100	10	100	80
Command 3ME	1.33 qt	97	100	100	98	10	100	50
Authority 75DF	0.266 lb	100	100	100	100	99	0	60
Check		0	0	0	0	0	0	0
Authority 75DF	0.416 lb	100	100	100	100	100	0	70
Authority 75DF	0.5 lb	100	100	100	100	100	0	100
Command 3E+ Authority 75DF	1.33 qt+ 0.5 lb	100	100	100	100	100	100	90
Authority 75DF+ F6025 25DF	0.266 lb+ 0.16 lb	100	100	100	100	99	100	80
Authority 75DF+ F6025 25DF	0.35 lb+ 0.21 lb	100	100	100	100	100	100	80
Pursuit Plus 2.9E+ Authority 75DG	2.5 pt+ 0.35 lb	100	100	100	100	100	100	70
Firstrate 84WG+ Authority 75DF	0.046 lb+ 0.35 lb	100	100	100	100	100	100	80
AAtrex 90DG	2.2 lb	100	100	99	99	100	100	95
Bladex 90DG	2.2 lb	100	100	70	99	100	100	95
AAtrex 90DG+ Bladex 90DG	1.1 lb+ 3.3 lb	100	100	99	100	100	100	95
AAtrex 90DG+ Bladex 90DG	2.2 lb+ 2.2 lb	100	100	100	100	100	100	95
Reflex 2LC	1.5 pt	100	100	80	20	85	100	100
Select 2E	8 oz	0	0	0	0	0	0	0
Assure II 0.88E	8 oz	0	0	0	0	0	0	0
Fusion 2.66E	8 oz	0	0	0	0	0	0	0
Poast Plus 1.0E	24 oz	0	0	0	0	0	0	0
Exceed 57WG	1.0 oz	100	100	50	100	80	100	50

Table 4. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Gift	Yeft	Grft	Lacg	Bygr	Wocg	Fapa	Shca
		control							
	lb/A	%	%	%	%	%	%	%	%
Prowl 3.3EC	3 pt	90	90	90	99	70	90	90	90
Partner 65WDG	4.62 lb	100	100	100	99	100	100	100	100
Dual II 7.8E	2.56 pt	100	100	100	99	100	100	100	95
Magnum 7.62E	1 qt	100	100	100	100	100	100	100	95
Surpass 6.4E	2.5 pt	100	100	100	100	100	100	100	99
Topnotch 3.2 CS	2.5 qt	100	100	100	100	100	100	100	99
Harness 7E	2.25 pt	100	100	100	100	100	100	100	100
Frontier 6E	30 oz	100	100	100	100	100	100	100	99
Bullet 4SC	1 gal	100	100	100	100	100	100	100	99
Bicep II 5.9L	3 qt	100	100	100	100	100	100	100	99
Surpass 100 5L	3 qt	100	100	100	100	100	100	100	100
Harness Xtra 5.6L	2.5 qt	100	100	100	100	100	100	100	99
Check		0	0	0	0	0	0	0	0
Guardsman 5L	5 pt	100	100	100	100	100	100	100	100
Broadstrike+Dual 7.67SC	2.5 pt	100	100	100	100	100	100	100	99
Broadstrike Plus 85.6WG	0.25 lb	50	50	50	0	0	40	20	90
Firstrate 84WG	0.046 lb	40	40	40	50	70	40	20	97
Firstrate 84WG+	0.046 lb+	70	70	70	80	85	60	90	100
Prowl 3.3EC	3 pt								
Pursuit 70 DG	1.44 oz	80	80	80	90	85	90	95	99
Scepter 1.5AS	0.67 pt	60	60	60	10	70	80	80	85
Raptor 1.0AC	5 oz	70	70	70	0	80	95	90	90
Pursuit Plus 2.9E	2.5 pt	98	98	98	98	100	98	99	100
Pursuit 70 DG+	1.44 oz+	100	100	100	100	100	98	99	99
Dual II 7.8E	1.25 pt								
Contour 3.38SC	1.33 pt	98	98	98	95	98	80	99	95
Steel (Scepter 1.5 AS +	0.33 pt +	98	98	98	100	100	98	99	99
Pursuit Plus 2.9E)	2.5 pt								
Axiom 68DF	22 oz	100	100	100	100	100	98	100	100
Balance 75WDG	2 oz	95	95	95	97	100	80	95	99
Canopy 75DF	7 oz	95	95	95	99	100	90	97	99
Sencor 75DF	0.5 lb	95	95	95	100	99	60	97	98
Command 4E	1 qt	100	100	100	100	100	100	100	99
Command 3ME	1.33 qt	97	97	97	100	100	100	100	98
Authority 75DF	0.266 lb	95	95	95	20	90	60	95	96
Check		0	0	0	0	0	0	0	0
Authority 75DF	0.416 lb	100	100	100	70	100	99	98	97
Authority 75DF	0.5 lb	100	100	100	85	100	100	100	98
Command 3E+	1.33 qt+	100	100	100	99	100	100	100	100
Authority 75DF	0.5 lb								
Authority 75DF+	0.266 lb+	90	90	90	99	96	95	99	99
F6025 25DF	0.16 lb								
Authority 75DF+	0.35 lb+	95	95	95	99	100	100	99	100
F6025 25DF	0.21 lb								
Pursuit Plus 2.9E+	2.5 pt+	100	100	100	99	100	100	100	100
Authority 75DG	0.35 lb								
Firstrate 84WG+	0.046 lb+	98	98	98	100	100	100	99	100
Authority 75DF	0.35 lb								
AAtrex 90DG	2.2 lb	99	99	99	95	100	100	99	97
Bladex 90DG	2.2 lb	99	99	99	99	100	100	100	99
AAtrex 90DG+	1.1 lb+	100	100	100	100	100	100	100	100
Bladex 90DG	3.3 lb								
AAtrex 90DG+	2.2 lb+	100	100	100	100	100	100	100	100
Bladex 90DG	2.2 lb								
Reflex 2LC	1.5 pt	99	99	99	100	80	100	100	100
Select 2E	8 oz	97	97	97	95	100	80	90	90
Assure II 0.88E	8 oz	30	30	30	95	40	50	50	70
Fusion 2.66E	8 oz	40	40	40	95	80	50	50	70
Poast Plus 1.0E	24 oz	40	40	40	95	80	50	50	70
Exceed 57WG	1.0 oz	80	80	80	80	60	90	80	100

Table 6. Multi-species evaluation of preemergence herbicide treatments (Baird, Montgomery, West, Milner, Paul, and Knake).

Treatment	Rate	Lath	Prsi	Cowh	Ebns	Hans
		----------control----------				
	lb/A	%	%	%	%	%
Prowl 3.3EC	3 pt	0	0	20	100	50
Partner 65WDG	4.62 lb	0	10	100	100	100
Dual II 7.8E	2.56 pt	0	50	100	100	50
Magnum 7.62E	1 qt	0	70	100	100	50
Surpass 6.4E	2.5 pt	100	99	99	100	100
Topnotch 3.2 CS	2.5 qt	98	99	100	100	100
Harness 7E	2.25 pt	100	98	100	100	100
Frontier 6E	30 oz	98	98	100	100	100
Bullet 4SC	1 gal	100	99	100	100	100
Bicep II 5.9L	3 qt	100	97	100	100	100
Surpass 100 5L	3 qt	100	95	100	100	100
Harness Xtra 5.6L	2.5 qt	100	90	100	100	100
Check		0	0	0	0	0
Guardsman 5L	5 pt	100	95	100	100	100
Broadstrike+Dual 7.67SC	2.5 pt	30	90	100	100	100
Broadstrike Plus 85.6WG	0.25 lb	99	90	80	100	100
Firstrate 84WG	0.046 lb	95	90	50	80	100
Firstrate 84WG+	0.046 lb+	95	97	80	100	100
Prowl 3.3EC	3 pt					
Pursuit 70 DG	1.44 oz	100	98	0	100	100
Scepter 1.5AS	0.67 pt	95	98	10	100	100
Raptor 1.0AC	5 oz	100	99	0	100	100
Pursuit Plus 2.9E	2.5 pt	100	98	20	100	99
Pursuit 70 DG+	1.44 oz+	100	99	30	100	100
Dual II 7.8E	1.25 pt					
Contour 3.38SC	1.33 pt	100	99	10	100	100
Steel (Scepter 1.5 AS +	0.33 pt +	100	99	20	100	100
Pursuit Plus 2.9E)	2.5 pt					
Axiom 68DF	22 oz	100	97	100	100	100
Balance 75WDG	2 oz	100	99	90	100	100
Canopy 75DF	7 oz	100	99	100	50	100
Sencor 75DF	0.5 lb	100	99	100	60	90
Command 4E	1 qt	100	100	10	100	98
Command 3ME	1.33 qt	100	100	0	100	98
Authority 75DF	0.266 lb	100	99	100	100	100
Check		0	0	0	0	0
Authority 75DF	0.416 lb	100	99	100	100	100
Authority 75DF	0.5 lb	100	100	100	100	100
Command 3E+	1.33 qt+	100	100	100	100	100
Authority 75DF	0.5 lb					
Authority 75DF+	0.266 lb+	100	99	100	100	100
F6025 25DF	0.16 lb					
Authority 75DF+	0.35 lb+	100	99	100	100	100
F6025 25DF	0.21 lb					
Pursuit Plus 2.9E+	2.5 pt+	100	100	100	100	100
Authority 75DG	0.35 lb					
Firstrate 84WG+	0.046 lb+	100	100	100	100	100
Authority 75DF	0.35 lb					
AAtrex 90DG	2.2 lb	100	99	80	100	100
Bladex 90DG	2.2 lb	100	99	10	100	100
AAtrex 90DG+	1.1 lb+	100	99	40	100	100
Bladex 90DG	3.3 lb					
AAtrex 90DG+	2.2 lb+	100	99	60	100	100
Bladex 90DG	2.2 lb					
Reflex 2LC	1.5 pt	100	97	100	100	100
Select 2E	8 oz	0	0	0	0	0
Assure II 0.88E	8 oz	0	0	0	0	0
Fusion 2.66E	8 oz	0	0	0	0	0
Poast Plus 1.0E	24 oz	0	0	0	0	0
Exceed 57WG	1.0 oz	100	88	20	100	100

Multi-species evaluation of postemergence herbicide treatments. Baird, Dale L., Jeffery C. West, Matt P. Montgomery, Montie E. Milner, Lyle E. Paul, and Ellery L. Knake. The purpose of this study was to evaluate degree of crop tolerance and herbicide efficacy for herbicides applied postemergence. The study was conducted at the Northern Illinois Agronomy Research Center near DeKalb, Illinois and included most all common crops and many of the weeds common to Illinois.

Location:	DeKalb SW700	Soil Type:	Drummer silty clay loam
Plot size:	10 X 150 ft	Slope:	1 to 2%
Drainage:	Fair	Planting date:	May 3, 1996
Organic Matter:	5 to 6%	Row spacing:	30 inch and 5 ft
Soil pH:	6.3		

Tillage: A mold-board plow was used November 9, 1995 and on April 12, 1996 the area was tilled twice with a mulch finisher that had one set of disk blades and a four bar field cultivator unit followed by a harrow. The corn and soybeans were planted with a John Deere Max Emerge 2 four row planter using a plateless meter for the corn and bean cups for the soybeans. Wheat and oats were seeded in 7.5 inch rows with a grain drill. All other crops and weeds were seeded with a Brillion seeder. Corn and soybeans were in 30 inch rows with a corn population of 22,000 to 34,000 depending on the seed characteristics of the inbred or hybrid. Soybeans were seeded at a population of about 200,000 but varied according to the cultivar and size of seed. The soil was in a high state of fertility and the only fertilizer used was 160 lb/A nitrogen as 28% liquid UAN on the corn. Crops and weeds were seeded in a north-south direction and herbicides were applied in an east-west direction.

An International 274 tractor with a front mounted spray boom and compressed air unit was used spraying at 3 mph with 37 psi and flat fan, extended range XR-8003 VS nozzle tips to give 25 gpa. Width of spray was 10 feet broadcast with nozzles spaced 20 inches apart and 26 inches above the soil surface or approximately 20 inches above the vegetation.

Ratings were made July 1, for corn, soybeans, giant foxtail, yellow foxtail, green foxtail, large crabgrass, and barnyardgrass. On July 2, ratings were made for redroot pigweed, common lambsquarters, velvetleaf, jimsonweed, ivyleaf morningglory, eastern black nightshade, hairy nightshade, prickly sida, and woolly cupgrass. On July 3, ratings were made for ladysthumb smartweed, giant ragweed, fall panicum, waterhemp, shattercane, sorghum, wheat, oats, alfalfa, and clover.

The smartweed was from a natural infestation. Common waterhemp and hairy nightshade were seeded for the first time this year. The eastern black nightshade was from seeding in previous years. Both the new seeding and weeds from seeding in previous years were considered for many of the weed ratings. The waterhemp appeared to be tolerant to some ALS inhibiting herbicides.

Date of spraying:	June 21, 1996
Time:	9:00 AM to Noon
Treatment:	Postemergence
Temperature (F):	
air	77.9 to 81.4
soil 4 inch	69.0 to 74.1
Soil moisture:	Moist
Wind (mph):	9.9 to 13.9 SW (197 to 205 degrees)
Sky (% overcast):	70%
Relative humidity (%):	88.9 to 92.9
Rainfall (inch):	
previous week	1.72
following week	1.25

Table 1. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	IPSA Corn Inbreds I2632	I6841	I1064	I1956	I6570	I6860	I6891	I8433
		injury							
	lb/A	%	%	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	100	100	100	100	100	100	100	100
Roundup Ultra 4E	1.0 qt	100	100	100	100	100	100	100	100
Touchdown 6E+	0.67 pt	100	100	100	100	100	100	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Touchdown 6E+	1.33 pt	100	100	100	100	100	100	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Liberty 1.67E+	38.3 oz	95	100	90	100	95	90	100	95
AMS	4.25 lb								
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100	100	100
AMS	4.25 lb								
Liberty 1.67E+	28.7 oz	100	100	90	100	95	90	98	98
AAtrex 90DF+	1.67 lb								
AMS	4.25 lb								
Accent 75DF+	0.33 oz	10	10	10	10	10	10	10	10
Beacon 75DF+	0.38 oz								
COC	1.0 qt								
Accent 75DF+	0.5 oz	0	0	0	0	0	0	0	0
Exceed 57WG+	1.0 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
Exceed 57WG+	0.5 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
Marksman 3.2L+	3.5 pt								
Activate Plus+	1.0 pt								
UAN	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
UAN	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
Buctril 2L+	1.0 pt								
AAtrex 90DF+	0.55 lb								
COC	1.0 qt								
Check		0	0	0	0	0	0	0	0
Permit 75DF+	1.0 oz	0	0	0	0	0	0	0	0
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
Permit 75DF+	0.67 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	0	0
Pinnacle 25DF+	0.25 oz								
COC	1.0 qt								
Basis 75DF+	0.33 oz	0	0	0	0	0	0	0	0
COC+	1.0 qt								
UAN	1.0 qt								
Resource 0.86E+	6 oz	5	5	5	5	5	5	5	5
COC	1.0 qt								
Action 4.75WP+	1.2 oz	0	0	0	0	0	0	0	0
COC	1.0 pt								
Expert 75WG+	1.5 oz	60	60	60	60	60	60	60	60
Activate Plus	1.0 pt								
Action 75 WP+	1.2 oz	60	60	60	60	60	60	60	60
Expert 75WP+	1.3 oz								
COC	1.0 qt								
Tough 3.75E+	1.0 qt	0	0	0	0	0	0	10	0
Aatrex 90DF+	2.2 lb								
COC	1.0 qt								
Buctril 2L	1.0 pt	0	0	0	0	0	0	0	0
Buctril 2L	1.5 pt	0	0	0	0	0	0	0	0
CA 1216 20%WP	1.5 lb	0	0	0	0	0	0	0	0
CA 1216 20%WP	2.25 lb	0	0	0	0	0	0	0	0
CA 1797 80%WG	0.5 lb	0	0	0	0	0	0	0	0
CA 1797 80%WG	0.75 lb	0	0	0	0	0	0	0	0
SAN 1269H 70WG+	0.375 lb	0	10	10	0	10	0	0	0
Activate Plus+	0.5 pt								

The following measurements were taken near the time of the postemergence applications (heights free standing).

Corn inbreeds		
	leaf no.	3 to 7
	height(inch)	5 to 8
Corn hybrids		
	leaf no.	6 to 7
	height(inch)	9 to 15
Soybean		
	leaf no.	3 trif
	height(inch)	10
Sorghum		
	leaf no.	6
	height(inch)	7
Wheat		
	leaf no.	27
	height(inch)	11
Oats		
	leaf no.	6
	height(inch)	16
Alfalfa		
	leaf no.	5 trif
	height(inch)	3
Red Clover		
	leaf no.	4 trif
	height(inch)	4
Giant foxtail		
	leaf no.	6
	height(inch)	9
Yellow foxtail		
	leaf no.	4
	height(inch)	7
Green foxtail		
	leaf no.	4
	height(inch)	7
Large crabgrass		
	leaf no.	3
	height(inch)	2
Barnyardgrass		
	leaf no. (7 tillers)	3
	height(inch)	11
Woolly cupgrass		
	leaf no.	6
	height(inch)	6
Fall panicum		
	leaf no.	10
	height(inch)	8
Shattercane		
	leaf no.	5
	height(inch)	5
Redroot pigweed		
	leaf no.	4
	height(inch)	1.5
Common lambsquarters		
	leaf no.	6
	height(inch)	1.5
Velvetleaf		
	leaf no.	4
	height(inch)	4.5
Jimsonweed		
	leaf no.	5
	height(inch)	2
Ivyleaf morningglory		
	leaf no.	9
	height(inch)	9
Giant ragweed		
	leaf no.	8
	height(inch)	6
Common waterhemp		
	leaf no.	11
	height(inch)	5
Eastern black nightshade		
	leaf no.	5
	height(inch)	3

Hairy nightshade, common ragweed, and ladysthumb smartweed were either not emerged or not observed for measurement.

(Dept. of Crop Sciences, University of Illinois, Urbana.)

Table 1. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	IPSA Corn Inbreds I2632	I6841	I1064	I1956	I6570	I6860	I6891	I8433
		injury							
	lb/A	%	%	%	%	%	%	%	%
FMC F8426 50DF+	0.5 oz	5	5	5	5	5	5	5	5
Activate Plus	0.5 pt								
FMC F8426 50DF+	1.0 oz	10	10	10	10	10	10	10	10
Activate Plus	0.5 pt								
Broadstrike Plus 85.6WG+	0.25 lb	0	0	0	0	0	0	0	0
Activate Plus	0.5 pt								
Scorpion III 84.3WG+	4.0 oz	10	10	10	10	10	10	10	10
Activate Plus	0.5 pt								
Check		0	0	0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	0	0	0	0	0	0	0	0
Activate Plus+	0.25 pt								
UAN	2.5 qt								
Twister 1.82ME+	2.25 pt	100	100	90	100	100	95	100	100
Sunit II+	1.0 qt								
UAN	2.5 qt								
Pursuit 70DG+	1.44 oz	50	50	50	60	60	50	50	50
Sunit II+	1.5 pt								
UAN	1.0 qt								
Raptor 1AC+	5.0 oz	70	70	70	80	80	60	70	70
Sunit II+	1.5 pt								
UAN	1.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	80	80	80	70	90	90
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	80	90	90	80	90	90
Laddok S-12 5L+	1.67 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	80	80	90	80	70	90	80
AAtrex 90DF+	2.2 lb								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	80	90	80	70	90	80
2,4-D LVE 3.8E+	8.4 oz								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	90	100	98	90	95	95
Marksman 3.2L+	3.5 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	90	100	99	98	100	95
Clarity 4.0E+	1.0 pt								
UAN	2.0 qt								
Stellar 3.1E+	5.0 oz	90	80	80	100	100	80	95	70
COC	1.0 pt								
Select 2.0E+	6.0 pt	100	100	100	100	100	98	98	98
COC	1.0 pt								
Stellar 3.1E+	5.0 oz	100	100	100	100	100	100	100	100
Select 2.0E+	6.0 oz								
COC	1.0 pt								
Pursuit 70DG+	1.44 oz	90	90	90	100	100	100	99	98
2,4-DB 2S+	3.0 oz								
Sunit II 4L+	1.5 pt								
UAN	1.0 qt								
Synchrony 42DF+	0.5 oz	100	100	100	100	100	100	100	100
Assure II 0.88E+	8.0 oz								
COC+	1.0 qt								
UAN	4.0 qt								
Synchrony 42DF+	0.5 oz	100	100	100	100	100	100	100	100
Poast Plus 1.0E+	1.0 pt								
COC+	1.0 qt								
UAN	4.0 qt								

Table 2. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Corn Hybrids						Sorghum	
		Pioneer 3417	Pioneer 3417IR	Asgrow 8925IT	DeKalb 592SR	Asgrow RX620SR	Asgrow X7545LL	CIBA G1492	
		injury						Untreated	Concep
	lb/A	%	%	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	90	95	95	95	95	95	100	100
Roundup Ultra 4E	1.0 qt	100	100	100	100	100	100	100	100
Touchdown 6E+	0.67 pt	90	95	95	95	95	95	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Touchdown 6E+	1.33 pt	100	100	100	100	100	100	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Liberty 1.67E+	38.3 oz	90	90	90	85	90	0	100	100
AMS	4.25 lb								
Liberty 1.67E+	76.6 oz	95	95	95	90	95	0	100	100
AMS	4.25 lb								
Liberty 1.67E+	28.7 oz	90	90	90	85	90	0	100	100
AAtrex 90DF+	1.67 lb								
AMS	4.25 lb								
Accent 75DF+	0.33 oz	0	0	0	0	0	0	80	80
Beacon 75DF+	0.38 oz								
COC	1.0 qt								
Accent 75DF+	0.5 oz	0	0	0	10	0	0	80	80
Exceed 57WG+	1.0 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	80	70
Exceed 57WG+	0.5 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	80	80
Marksman 3.2L+	3.5 pt								
Activate Plus+	1.0 pt								
UAN	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	90	90
Buctril 2L+	1.0 pt								
AAtrex 90DF+	0.55 lb								
COC	1.0 qt								
Check		0	0	0	0	0	0	0	0
Permit 75DF+	1.0 oz	0	0	0	0	0	0	30	30
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	75	75
Permit 75DF+	0.67 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	0	0	0	0	0	75	65
Pinnacle 25DF+	0.25 oz								
COC	1.0 qt								
Basis 75DF+	0.33 oz	0	0	10	0	0	0	90	90
COC+	1.0 qt								
UAN	1.0 qt								
Resource 0.86E+	6 oz	5	5	5	5	5	5	20	20
COC	1.0 qt								
Action 4.75WP+	1.2 oz	0	0	0	0	0	0	20	20
COC	1.0 pt								
Expert 75WG+	1.5 oz	50	0	50	50	50	50	70	70
Activate Plus	1.0 pt								
Action 75 WP+	1.2 oz	50	0	50	50	50	50	90	90
Expert 75WP+	1.3 oz								
COC	1.0 qt								
Tough 3.75E+	1.0 qt	0	0	0	0	0	0	40	40
Aatrex 90DF+	2.2 lb								
COC	1.0 qt								
Buctril 2L	1.0 pt	0	0	0	0	0	0	20	20
Buctril 2L	1.5 pt	0	0	0	0	0	0	20	20
CA 1216 20%WP	1.5 lb	0	0	0	0	0	0	10	10
CA 1216 20%WP	2.25 lb	0	0	0	10	10	10	20	20
CA 1797 80%WG	0.5 lb	0	0	0	0	0	0	10	10
CA 1797 80%WG	0.75 lb	0	0	0	0	0	0	10	10

Table 2. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	Corn Hybrids						Sorghum CIBA G1492	
		Pioneer 3417	Pioneer 3417IR	Asgrow 8925IT	DeKalb 592SR	Asgrow RX620SR	Asgrow X7545LL	Untreated	Concep
		injury							
	lb/A	%	%	%	%	%	%	%	%
SAN 1269H 70WG+	0.375 lb	0	0	0	0	0	0	50	50
Activate Plus+	0.5 pt								
UAN	1.25 qt								
FMC F8426 50DF+	0.5 oz	5	5	5	5	5	5	20	20
Activate Plus	0.5 pt								
FMC F8426 50DF+	1.0 oz	10	10	10	10	10	10	30	30
Activate Plus	0.5 pt								
Broadstrike Plus 85.6WG+	0.25 lb	0	0	0	0	0	0	60	60
Activate Plus	0.5 pt								
Scorpion III 84.3WG+	4.0 oz	5	5	10	20	10	10	30	30
Activate Plus	0.5 pt								
Check		0	0	0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	0	0	0	0	0	0	50	50
Activate Plus+	0.25 pt								
UAN	2.5 qt								
Twister 1.82ME+	2.25 pt	98	98	98	80	70	100	100	100
Sunit II+	1.0 qt								
UAN	2.5 qt								
Pursuit 70DG+	1.44 oz	50	5	10	60	50	50	90	90
Sunit II+	1.5 pt								
UAN	1.0 qt								
Raptor 1AC+	5.0 oz	60	10	10	80	70	60	90	90
Sunit II+	1.5 pt								
UAN	1.0 qt								
Poast Plus 1.0E+	1.5 pt	60	70	80	10	0	70	90	90
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	80	80	10	0	80	90	90
Laddok S-12 5L+	1.67 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	80	80	10	0	70	85	85
AAtrex 90DF+	2.2 lb								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	80	80	10	0	70	90	90
2,4-D LVE 3.8E+	8.4 oz								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	85	85	85	10	0	90	90	90
Marksman 3.2L+	3.5 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	90	10	0	90	90	90
Clarity 4.0E+	1.0 pt								
UAN	2.0 qt								
Stellar 3.1E+	5.0 oz	60	60	60	60	60	60	50	50
COC	1.0 pt								
Select 2.0E+	6.0 pt	80	80	80	60	70	80	98	98
COC	1.0 pt								
Stellar 3.1E+	5.0 oz	80	80	80	80	70	80	98	98
Select 2.0E+	6.0 oz								
COC	1.0 pt								
Pursuit 70DG+	1.44 oz	70	50	50	50	50	50	90	90
2,4-DB 2S+	3.0 oz								
Sunit II 4L+	1.5 pt								
UAN	1.0 qt								
Synchrony 42DF+	0.5 oz	100	100	100	70	30	90	90	90
Assure II 0.88E+	8.0 oz								
COC+	1.0 qt								
UAN	4.0 qt								
Synchrony 42DF+	0.5 oz	98	98	70	70	30	80	90	90
Poast Plus 1.0E+	1.0 pt								
COC+	1.0 qt								
UAN	4.0 qt								

Table 3. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Soybeans				Wheat	Oats	Alfalfa	Red Clover
		Asgrow A2704STS	Asgrow A3322LL	Asgrow AG3001RR	Asgrow A3601RR/STS	Howell	Ogle	Magnum IV	Scarlett
		injury							
	lb/A	%	%	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	60	60	0	0	100	100	90	40
Roundup Ultra 4E	1.0 qt	99	80	0	0	100	100	100	90
Touchdown 6E+	0.67 pt	60	60			100	100	90	60
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Touchdown 6E+	1.33 pt	99	80			100	100	99	90
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Liberty 1.67E+	38.3 oz	80	10	80	80	80	80	100	100
AMS	4.25 lb								
Liberty 1.67E+	76.6 oz	100	20	100	100	100	95	100	100
AMS	4.25 lb								
Liberty 1.67E+	28.7 oz	99	80	100	100	85	90	100	100
AAtrex 90DF+	1.67 lb								
AMS	4.25 lb								
Accent 75DF+	0.33 oz	5	70	60	50	30	30	70	50
Beacon 75DF+	0.38 oz								
COC	1.0 qt								
Accent 75DF+	0.5 oz	60	70	70	70	20	40	90	90
Exceed 57WG+	1.0 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	40	70	70	70	30	20	90	80
Exceed 57WG+	0.5 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	100	100	100	100	40	30	99	99
Marksman 3.2L+	3.5 pt								
Activate Plus+	1.0 pt								
UAN	1.0 qt								
Accent 75DF+	0.67 oz	99	99	99	99	40	30	90	90
Buctril 2L+	1.0 pt								
AAtrex 90DF+	0.55 lb								
COC	1.0 qt								
Check		0	0	0	0	0	0	0	0
Permit 75DF+	1.0 oz	10	80	80	20	0	0	90	80
COC	1.0 qt								
Accent 75DF+	0.67 oz	10	80	80	30	10	30	80	90
Permit 75DF+	0.67 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	0	50	60	20	10	30	80	80
Pinnacle 25DF+	0.25 oz								
COC	1.0 qt								
Basis 75DF+	0.33 oz	60	80	90	80	20	50	90	90
COC+	1.0 qt								
UAN	1.0 qt								
Resource 0.86E+	6 oz	10	10	10	10	0	0	50	50
COC	1.0 qt								
Action 4.75WP+	1.2 oz	10	10	10	10	0	0	50	50
COC	1.0 pt								
Expert 75WG+	1.5 oz	0	0	0	0	10	20	50	50
Activate Plus	1.0 pt								
Action 75 WP+	1.2 oz	10	10	10	10	10	10	50	50
Expert 75WP+	1.3 oz								
COC	1.0 qt								
Tough 3.75E+	1.0 qt	98	98	98	98	40	40	90	90
Aatrex 90DF+	2.2 lb								
COC	1.0 qt								
Buctril 2L	1.0 pt	70	70	70	70	0	0	30	30
Buctril 2L	1.5 pt	75	75	75	75	0	0	40	40
CA 1216 20%WP	1.5 lb	70	70	70	70	0	0	30	30
CA 1216 20%WP	2.25 lb	75	75	75	75	0	0	40	40
CA 1797 80%WG	0.5 lb	75	75	75	75	0	0	20	20
CA 1797 80%WG	0.75 lb	75	75	75	75	0	0	30	30
SAN 1269H 70WG+	0.375 lb	80	80	80	80	0	0	90	90
Activate Plus+	0.5 pt								

Table 3. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	Soybeans: Asgrow A2704STS injury	Soybeans: Asgrow A3322LL injury	Soybeans: Asgrow AG3001RR injury	Soybeans: Asgrow A3601RR/STS injury	Wheat Howell injury	Oats Ogle injury	Alfalfa Magnum IV injury	Red Clover Scarlett injury
	lb/A	%	%	%	%	%	%	%	%
FMC F8426 50DF+	0.5 oz	50	50	50	50	0	0	30	30
Activate Plus	0.5 pt								
FMC F8426 50DF+	1.0 oz	60	60	60	60	0	0	60	60
Activate Plus	0.5 pt								
Broadstrike Plus 85.6WG+	0.25 lb	80	80	80	80	0	0	90	90
Activate Plus	0.5 pt								
Scorpion III 84.3WG+	4.0 oz	80	80	80	80	0	20	95	95
Activate Plus	0.5 pt								
Check		0	0	0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	0	0	0	0	0	0	60	60
Activate Plus+	0.25 pt								
UAN	2.5 qt								
Twister 1.82ME+	2.25 pt	20	20	20	30	90	95	90	95
Sunit II+	1.0 qt								
UAN	2.5 qt								
Pursuit 70DG+	1.44 oz	0	0	0	10	40	80	20	20
Sunit II+	1.5 pt								
UAN	1.0 qt								
Raptor 1AC+	5.0 oz	0	0	0	0	40	90	30	40
Sunit II+	1.5 pt								
UAN	1.0 qt								
Poast Plus 1.0E+	1.5 pt	0	0	0	0	40	90	0	0
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	80	80	80	50	80	90	90
Laddok S-12 5L+	1.67 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	90	90	80	60	100	98
AAtrex 90DF+	2.2 lb								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	70	80	90	50	70	98	98
2,4-D LVE 3.8E+	8.4 oz								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	100	100	100	100	80	80	100	99
Marksman 3.2L+	3.5 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	100	100	100	100	50	80	100	100
Clarity 4.0E+	1.0 pt								
UAN	2.0 qt								
Stellar 3.1E+	5.0 oz	80	70	80	90	30	60	99	95
COC	1.0 pt								
Select 2.0E+	6.0 pt	0	0	0	0	40	70	10	10
COC	1.0 pt								
Stellar 3.1E+	5.0 oz	70	70	80	90	50	80	20	20
Select 2.0E+	6.0 oz								
COC	1.0 pt								
Pursuit 70DG+	1.44 oz	60	60	70	90	40	60	20	20
2,4-DB 2S+	3.0 oz								
Sunit II 4L+	1.5 pt								
UAN	1.0 qt								
Synchrony 42DF+	0.5 oz	0	30	50		90	60	20	90
Assure II 0.88E+	8.0 oz								
COC+	1.0 qt								
UAN	4.0 qt								
Synchrony 42DF+	0.5 oz	0	50	60		60	50	20	90
Poast Plus 1.0E+	1.0 pt								
COC+	1.0 qt								
UAN	4.0 qt								

Table 4. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Gift	Yeft	Grft	Lacg	Bygr	Shca	Fapa	Wocg
		control							
	lb/A	%	%	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	100	99	100	100	100	100	100	100
Roundup Ultra 4E	1.0 qt	100	100	100	100	100	100	100	100
Touchdown 6E+	0.67 pt	100	100	100	100	90	100	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Touchdown 6E+	1.33 pt	100	100	100	100	99	100	100	100
Activate Plus+	1.0 pt								
AMS	4.25 lb								
Liberty 1.67E+	38.3 oz	100	100	100	95	99	100	100	100
AMS	4.25 lb								
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100	100	100
AMS	4.25 lb								
Liberty 1.67E+	28.7 oz	100	100	100	99	95	100	100	100
AAtrex 90DF+	1.67 lb								
AMS	4.25 lb								
Accent 75DF+	0.33 oz	60	50	60	30	70	97	80	80
Beacon 75DF+	0.38 oz								
COC	1.0 qt								
Accent 75DF+	0.5 oz	60	60	60	20	50	99	80	80
Exceed 57WG+	1.0 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	70	70	60	20	60	97	80	80
Exceed 57WG+	0.5 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	70	60	70	30	60	95	90	70
Marksman 3.2L+	3.5 pt								
Activate Plus+	1.0 pt								
UAN	1.0 qt								
Accent 75DF+	0.67 oz	80	70	70	50	70	98	80	70
Buctril 2L+	1.0 pt								
AAtrex 90DF+	0.55 lb								
COC	1.0 qt								
Check		0	0	0	0	0	0	0	0
Permit 75DF+	1.0 oz	40	40	40	0	10	20	10	10
COC	1.0 qt								
Accent 75DF+	0.67 oz	80	80	80	30	50	95	80	70
Permit 75DF+	0.67 oz								
COC	1.0 qt								
Accent 75DF+	0.67 oz	80	80	80	30	50	95	80	70
Pinnacle 25DF+	0.25 oz								
COC	1.0 qt								
Basis 75DF+	0.33 oz	80	80	80	30	50	99	80	70
COC+	1.0 qt								
UAN	1.0 qt								
Resource 0.86E+	6 oz	0	0	0	0	0	30	0	10
COC	1.0 qt								
Action 4.75WP+	1.2 oz	0	0	0	0	0	20	0	10
COC	1.0 pt								
Expert 75WG+	1.5 oz	40	70	40	0	40	98	60	60
Activate Plus	1.0 pt								
Action 75 WP+	1.2 oz	60	70	70	0	50	100	50	50
Expert 75WP+	1.3 oz								
COC	1.0 qt								
Tough 3.75E+	1.0 qt	70	80	80	0	30	20	0	50
Aatrex 90DF+	2.2 lb								
COC	1.0 qt								
Buctril 2L	1.0 pt	0	0	0	0	0	0	0	0
Buctril 2L	1.5 pt	0	0	0	0	0	0	0	0
CA 1216 20%WP	1.5 lb	0	0	0	0	0	0	0	0
CA 1216 20%WP	2.25 lb	0	0	0	0	0	0	0	0
CA 1797 80%WG	0.5 lb	0	0	0	0	0	0	0	0
CA 1797 80%WG	0.75 lb	0	0	0	0	0	0	0	0
SAN 1269H 70WG+	0.375 lb	10	10	10	10	20	20	10	10
Activate Plus+	0.5 pt								
UAN	1.25 qt								

Table 4. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	Gift	Yeft	Grft	Lacg	Bygr	Shca	Fapa	Wocg
		control							
	lb/A	%	%	%	%	%	%	%	%
FMC F8426 50DF+	0.5 oz	0	0	0	10	5	10	0	0
Activate Plus	0.5 pt								
FMC F8426 50DF+	1.0 oz	10	10	10	10	10	20	0	0
Activate Plus	0.5 pt								
Broadstrike Plus 85.6WG+	0.25 lb	0	0	0	10	10	10	0	0
Activate Plus	0.5 pt								
Scorpion III 84.3WG+	4.0 oz	10	10	10	10	10	10	0	0
Activate Plus	0.5 pt								
Check		0	0	0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	0	0	0	0	10	60	0	0
Activate Plus+	0.25 pt								
UAN	2.5 qt								
Twister 1.82ME+	2.25 pt	100	100	100	100	90	100	100	100
Sunit II+	1.0 qt								
UAN	2.5 qt								
Pursuit 70DG+	1.44 oz	50	60	60	20	40	90	90	80
Sunit II+	1.5 pt								
UAN	1.0 qt								
Raptor 1AC+	5.0 oz	60	70	70	30	50	90	90	90
Sunit II+	1.5 pt								
UAN	1.0 qt								
Poast Plus 1.0E+	1.5 pt	60	60	70	80	60	90	100	100
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	70	80	80	80	60	90	99	90
Laddok S-12 5L+	1.67 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	80	90	98	80	75	85	99	90
AAtrex 90DF+	2.2 lb								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	90	90	90	90	70	90	100	90
2,4-D LVE 3.8E+	8.4 oz								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	100	100	100	100	90	90	100	100
Marksman 3.2L+	3.5 pt								
UAN	2.0 qt								
Poast Plus 1.0E+	1.5 pt	100	100	100	100	80	90	100	100
Clarity 4.0E+	1.0 pt								
UAN	2.0 qt								
Stellar 3.1E+	5.0 oz	60	80	80	100	40	40	95	50
COC	1.0 pt								
Select 2.0E+	6.0 pt	100	100	100	100	95	98	99	100
COC	1.0 pt								
Stellar 3.1E+	5.0 oz	100	100	100	100	95	98	99	100
Select 2.0E+	6.0 oz								
COC	1.0 pt								
Pursuit 70DG+	1.44 oz	100	100	100	100	40	99	80	80
2,4-DB 2S+	3.0 oz								
Sunit II 4L+	1.5 pt								
UAN	1.0 qt								
Synchrony 42DF+	0.5 oz	100	70	100	100	50	100	85	100
Assure II 0.88E+	8.0 oz								
COC+	1.0 qt								
UAN	4.0 qt								
Synchrony 42DF+	0.5 oz	100	100	100	100	50	100	80	100
Poast Plus 1.0E+	1.0 pt								
COC+	1.0 qt								
UAN	4.0 qt								

Table 5. Multi-species evaluation of postmergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Ilmg	Lath
		control					
	lb/A	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	95	99	30	100	30	70
Roundup Ultra 4E	1.0 qt	100	100	70	100	50	100
Touchdown 6E+	0.67 pt	100	100	90	100	30	80
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Touchdown 6E+	1.33 pt	100	100	100	100	50	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Liberty 1.67E+	38.3 oz	100	100	90	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	28.7 oz	100	100	99	100	100	100
AAtrex 90DF+	1.67 lb						
AMS	4.25 lb						
Accent 75DF+	0.33 oz	95	70	50	100	30	100
Beacon 75DF+	0.38 oz						
COC	1.0 qt						
Accent 75DF+	0.5 oz	98	80	40	100	50	100
Exceed 57WG+	1.0 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	95	60	50	100	30	100
Exceed 57WG+	0.5 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	100	95	100	100	100
Marksman 3.2L+	3.5 pt						
Activate Plus+	1.0 pt						
UAN	1.0 qt						
Accent 75DF+	0.67 oz	100	100	98	100	80	100
Buctril 2L+	1.0 pt						
AAtrex 90DF+	0.55 lb						
COC	1.0 qt						
Check		0	0	0	0	0	0
Permit 75DF+	1.0 oz	100	0	90	90	10	100
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	30	70	90	40	100
Permit 75DF+	0.67 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	80	60	100	30	100
Pinnacle 25DF+	0.25 oz						
COC	1.0 qt						
Basis 75DF+	0.33 oz	99	100	60	80	30	80
COC+	1.0 qt						
UAN	1.0 qt						
Resource 0.86E+	6 oz	100	20	100	95	70	10
COC	1.0 qt						
Action 4.75WP+	1.2 oz	70	80	100	100	70	0
COC	1.0 pt						
Expert 75WG+	1.5 oz	95	95	80	100	70	50
Activate Plus	1.0 pt						
Action 75 WP+	1.2 oz	100	100	100	100	80	50
Expert 75WP+	1.3 oz						
COC	1.0 qt						
Tough 3.75E+	1.0 qt	100	100	100	100	80	90
Aatrex 90DF+	2.2 lb						
COC	1.0 qt						
Buctril 2L	1.0 pt	50	100	80	100	30	100
Buctril 2L	1.5 pt	60	100	98	100	40	100
CA 1216 20%WP	1.5 lb	50	100	80	100	30	100
CA 1216 20%WP	2.25 lb	90	100	100	100	40	100
CA 1797 80%WG	0.5 lb	70	100	90	100	30	100
CA 1797 80%WG	0.75 lb	80	100	98	100	40	100
SAN 1269H 70WG+	0.375 lb	100	100	90	100	50	90
Activate Plus+	0.5 pt						
UAN	1.25 qt						
FMC F8426 50DF+	0.5 oz	60	80	100	100	80	5

Table 5. Multi-species evaluation of postmergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued.

Treatment	Rate	Rrpw	Colq	Vele	Jiwe	Ilmg	Lath
		control					
	lb/A	%	%	%	%	%	%
FMC F8426 50DF+	1.0 oz	80	100	100	100	90	10
Activate Plus	0.5 pt						
Broadstrike Plus 85.6WG+	0.25 lb	80	80	40	100	60	50
Activate Plus	0.5 pt						
Scorpion III 84.3WG+	4.0 oz	80	90	70	100	80	80
Activate Plus	0.5 pt						
Check		0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	10	10	40	90	10	50
Activate Plus+	0.25 pt						
UAN	2.5 qt						
Twister 1.82ME+	2.25 pt	100	90	100	100	70	100
Sunit II+	1.0 qt						
UAN	2.5 qt						
Pursuit 70DG+	1.44 oz	100	70	70	100	50	40
Sunit II+	1.5 pt						
UAN	1.0 qt						
Raptor 1AC+	5.0 oz	97	80	60	100	60	50
Sunit II+	1.5 pt						
UAN	1.0 qt						
Poast Plus 1.0E+	1.5 pt	0	0	0	0	0	0
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	90	99	95	100	70	100
Laddok S-12 5L+	1.67 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	98	100	70	90
AAtrex 90DF+	2.2 lb						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	95	100	50	50	100	20
2,4-D LVE 3.8E+	8.4 oz						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	100	100	100	100
Marksman 3.2L+	3.5 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	98	100	90	90
Clarity 4.0E+	1.0 pt						
UAN	2.0 qt						
Stellar 3.1E+	5.0 oz	100	100	99	100	95	10
COC	1.0 pt						
Select 2.0E+	6.0 pt	0	0	0	0	0	0
COC	1.0 pt						
Stellar 3.1E+	5.0 oz	100	100	100	100	85	10
Select 2.0E+	6.0 oz						
COC	1.0 pt						
Pursuit 70DG+	1.44 oz	100	100	98	100	90	40
2,4-DB 2S+	3.0 oz						
Sunit II 4L+	1.5 pt						
UAN	1.0 qt						
Synchrony 42DF+	0.5 oz	100	100	98	100	50	50
Assure II 0.88E+	8.0 oz						
COC+	1.0 qt						
UAN	4.0 qt						
Synchrony 42DF+	0.5 oz	99	100	98	100	50	50
Poast Plus 1.0E+	1.0 pt						
COC+	1.0 qt						
UAN	4.0 qt						

Table 6. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake).

Treatment	Rate	Corw	Girw	Prsi	Cowh	Ebns	Hans
		control					
	lb/A	%	%	%	%	%	%
Roundup Ultra 4E	1.0 pt	100	100	100	99	100	98
Roundup Ultra 4E	1.0 qt	100	100	100	100	100	100
Touchdown 6E+	0.67 pt	100	100	100	98	100	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Touchdown 6E+	1.33 pt	100	100	100	100	100	100
Activate Plus+	1.0 pt						
AMS	4.25 lb						
Liberty 1.67E+	38.3 oz	90	100	100	99	95	100
AMS	4.25 lb						
Liberty 1.67E+	76.6 oz	100	100	100	100	100	100
AMS	4.25 lb						
Liberty 1.67E+	28.7 oz	100	100	100	100	100	100
AAtrex 90DF+	1.67 lb						
AMS	4.25 lb						
Accent 75DF+	0.33 oz	90	30	10	50	50	70
Beacon 75DF+	0.38 oz						
COC	1.0 qt						
Accent 75DF+	0.5 oz	100	80	10	50	50	50
Exceed 57WG+	1.0 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	90	70	10	40	20	50
Exceed 57WG+	0.5 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	90	100	70	100	100
Marksman 3.2L+	3.5 pt						
Activate Plus+	1.0 pt						
UAN	1.0 qt						
Accent 75DF+	0.67 oz	100	100	99	80	100	100
Buctril 2L+	1.0 pt						
AAtrex 90DF+	0.55 lb						
COC	1.0 qt						
Check		0	0	0	0	0	0
Permit 75DF+	1.0 oz	100	85	0	40	20	0
COC	1.0 qt						
Accent 75DF+	0.67 oz	100	80	10	30	10	80
Permit 75DF+	0.67 oz						
COC	1.0 qt						
Accent 75DF+	0.67 oz	90	10	10	20	20	20
Pinnacle 25DF+	0.25 oz						
COC	1.0 qt						
Basis 75DF+	0.33 oz	100	10	10	50	0	0
COC+	1.0 qt						
UAN	1.0 qt						
Resource 0.86E+	6 oz	90	50	100	60	80	20
COC	1.0 qt						
Action 4.75WP+	1.2 oz	10	40	80	40	80	20
COC	1.0 pt						
Expert 75WG+	1.5 oz	100	75	0	30	0	0
Activate Plus	1.0 pt						
Action 75 WP+	1.2 oz	10	70	80	75	80	20
Expert 75WP+	1.3 oz						
COC	1.0 qt						
Tough 3.75E+	1.0 qt	100	99	100	90	100	100
Aatrex 90DF+	2.2 lb						
COC	1.0 qt						
Buctril 2L	1.0 pt	100	99	0	10	100	100
Buctril 2L	1.5 pt	100	100	0	10	100	100
CA 1216 20%WP	1.5 lb	100	100	0	70	100	100
CA 1216 20%WP	2.25 lb	100	100	0	70	100	100
CA 1797 80%WG	0.5 lb	100	95	0	60	100	100
CA 1797 80%WG	0.75 lb	100	98	0	60	100	100
SAN 1269H 70WG+	0.375 lb	100	98	100	70	100	100
Activate Plus+	0.5 pt						
UAN	1.25 qt						
FMC F8426 50DF+	0.5 oz	10	10	0	70	100	70
Activate Plus	0.5 pt						

Table 6. Multi-species evaluation of postemergence herbicide treatments (Baird, West, Montgomery, Milner, Paul, and Knake) continued

Treatment	Rate	Corw	Girw	Prsi	Cowh	Ebns	Hans
		control					
	lb/A	%	%	%	%	%	%
FMC F8426 50DF+	1.0 oz	10	20	0	70	100	100
Activate Plus	0.5 pt						
Broadstrike Plus 85.6WG+	0.25 lb	100	85	20	60	20	20
Activate Plus	0.5 pt						
Scorpion III 84.3WG+	4.0 oz	100	90	50	70	30	50
Activate Plus	0.5 pt						
Check		0	0	0	0	0	0
Firstrate 84WG+	0.30 oz	100	90	10	25	0	10
Activate Plus+	0.25 pt						
UAN	2.5 qt						
Twister 1.82ME+	2.25 pt	100	100	80	99	98	98
Sunit II+	1.0 qt						
UAN	2.5 qt						
Pursuit 70DG+	1.44 oz	100	85	10	20	100	70
Sunit II+	1.5 pt						
UAN	1.0 qt						
Raptor 1AC+	5.0 oz	100	60	20	10	100	90
Sunit II+	1.5 pt						
UAN	1.0 qt						
Poast Plus 1.0E+	1.5 pt	0	0	0	0	0	0
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	30	50	99	15	90	90
Laddok S-12 5L+	1.67 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	90	50	100	30	100	100
AAtrex 90DF+	2.2 lb						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	98	20	75	50	70
2,4-D LVE 3.8E+	8.4 oz						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	100	100	75	100	100
Marksman 3.2L+	3.5 pt						
UAN	2.0 qt						
Poast Plus 1.0E+	1.5 pt	100	97	100	80	100	100
Clarity 4.0E+	1.0 pt						
UAN	2.0 qt						
Stellar 3.1E+	5.0 oz	100	99	100	100	100	100
COC	1.0 pt						
Select 2.0E+	6.0 pt	0	0	0	0	0	0
COC	1.0 pt						
Stellar 3.1E+	5.0 oz	100	100	99	98	100	100
Select 2.0E+	6.0 oz						
COC	1.0 pt						
Pursuit 70DG+	1.44 oz	90	95	30	30	100	100
2,4-DB 2S+	3.0 oz						
Sunit II 4L+	1.5 pt						
UAN	1.0 qt						
Synchrony 42DF+	0.5 oz	90	80	0	50	0	0
Assure II 0.88E+	8.0 oz						
COC+	1.0 qt						
UAN	4.0 qt						
Synchrony 42DF+	0.5 oz	90	80	0	50	0	0
Poast Plus 1.0E+	1.0 pt						
COC+	1.0 qt						
UAN	4.0 qt						

WEED NAMES AND ABBREVIATIONS

Abbreviation	Common Name	Scientific Name
Bucu	Burcucumber	Sicyos angulatus
Bygr	Barnyardgrass	Echinochloa crus-galli
Cath	Canada thistle	Cirsium arvense
Cocb	Common cocklebur	Xanthium strumarium
Coch	Common chickweed	Stellaria media
Colq	Common lambsquarters	Chenopodium album
Corw	Common ragweed	Ambrosia artemisiifolia
Cosf	Common sunflower	Helianthus annuus
Cowh	Common waterhemp	Amaranthus rudis
Dali	Dandelion	Taraxacum officinale
Dafl	Daisy fleabane	Erigeron sp.
Ebns	Eastern black nightshade	Solanum ptycanthum
Fapa	Fall panicum	Panicum dichotomiflorum
Fipw	Field peperweed	Lepidium campestre
Gift	Giant foxtail	Setaria faberi
Girw	Giant ragweed	Ambrosia trifida
Grft	Green foxtail	Setaria viridis
Hans	Hairly nightshade	Solanum sarrachoides
Howe	Horseweed	Conyza canadensis
Hvmw	Honeyvine milkweed	Ampelamus albidus
Ilmg	Ivyleaf morningglory	Ipomoea hederacea
Jiwe	Jimsonweed	Datura stramonium
Kocz	Kochia	Kochia scoparia
Lacg	Large crabgrass	Digitaria sanguinalis
Lath	Ladysthumb smartweed	Polygonum persicaria
Pesw	Pennsylvania smartweed	Polygonum pensylvanicum
Prle	Prickly lettuce	Lactuca serriola
Prpw	Prostrate pigweed	Amaranthus blitoides
Prsi	Prickly sida	Sida spinosa
Rrpw	Redroot pigweed	Amaranthus retroflexus
Shca	Shattercane	Sorghum bicolor
Shpu	Shepherdspurse	Capsella bursa-pastoris
Smgc	Smooth groundcherry	Physalis subglabrata
Smpw	Smooth pigweed	Amaranthus hybridus
Tawh	Tall waterhemp	Amaranthus tuberculatus
Tamg	Tall morningglory	Ipomoea purpurea
Vele	Velvetleaf	Abutilon theophrasti
Vema	Venice mallow	Hibiscus trionum
Wocg	Woolly cupgrass	Eriochloa villosa
Yeft	Yellow foxtail	Setaria glauca
Yens	Yellow nutsedge	Cyperus esculentus

APPENDIX A

HERBICIDES EVALUATED IN 1996

TRADE NAME	COMMON NAME	EXP. #	COMPANY
AAtrex	atrazine	--	several
Accent	nicosulfuron	DPX-V9360	Dupont
Action	--	CGA 248757	CIBA
Assure II	quizalofop	DPX-Y6202-38	DuPont
Authority	sulfentrazone	F6285	FMC
Axiom	thiafluamide+metribuzin	FOE5043	Bayer
Balance	--	EXP31130A	Rhone-Poulenc
Banvel	dicamba	--	Sandoz
Basagran	bentazon	--	BASF
Basis	nicosulfuron+rimsulfuron	KV141	Dupont
Basis Gold	nico.+rimsulf.+atrazine	--	Dupont
Battalion	halosulfuron	MON12000+safener	Monsanto
Beacon	primisulfuron	CGA-136876	CIBA
Bicep II	metolachlor+atrazine	--	CIBA
Bicep Lite II	metolachlor+atrazine	--	CIBA
Bladex	cyanazine	--	DuPont
Blazer	acifluorfen	--	BASF
Broadstrike Plus	flumetsulam+clopyralid	NAF-72	DowElanco
Broadstrike + Dual	flumetsulam+metolachlor	--	DowElanco
Broadstrike + Treflan	flumetsulam+trifluralin	XRM-5313	DowElanco
Buctril	bromoxynil	--	Rhone-Poulenc
Bullet	alachlor+atrazine	--	Monsanto
Butyrac	2,4-DB	--	Rhone-Poulenc
Canopy	chlorimuron+metribuzin	--	Dupont
Clarity	dicamba	--	Sandoz
Classic	chlorimuron-ethyl	--	DuPont
Cobra	lactofen	--	Valent
Command	clomazone	--	FMC
Commence	clomazone+trifluralin	--	FMC
Concert	chlorimuron+thifensulf.	--	Dupont
Contour	imazethapyr+atrazine	--	Am Cyanamid
Cypro	cyanazine	--	Griffin
DoublePlay	EPTC/safener+acetochlor	--	Zeneca
Dual II	metolachlor+CGA154281	--	CIBA
Dual II Magnum	metolachlor+CGA154281	--	CIBA
Eradicane Extra	EPTC+safener+extender	--	Zeneca
Exceed	prosulfuron+primisulfuron	--	CIBA
Expert	--	CGA 277476	CIBA
Extrazine II	cyanazine+atrazine	--	Dupont
First Rate	chloransulam-methyl	NAF75	DowElanco
Flexstar	fomesafen	--	Zeneca

-continued-

APPENDIX A (Cont'd)

HERBICIDES EVALUATED IN 1996

TRADE NAME	COMMON NAME	EXP. #	COMPANY
Frontier	dimethenamid	SAN-582H	Sandoz
Fusilade DX	fluazifop-butyl	–	Zeneca
Fusion	fluazifop + fenoxaprop	BRC-602	Zeneca
Galaxy	acifluorfen + bentazon	–	BASF
Gramoxone Extra	paraquat	–	Zeneca
Guardsman	dimethenamid + atrazine	–	Sandoz
Harness	acetochlor + safener	–	Monsanto
Harness Extra	acetochlor + atrazine	–	Monsanto
Laddok S12	atraz. + bentazon	–	BASF
Lasso Micro-Tech	alachlor	–	Monsanto
Liberty	glufosinate + surfactant	HOE-39866 + surf.	AgrEvo
Lightning	imazethapyr + imazapyr	–	Am Cyanamid
Lorox	linuron	–	Dupont
Marksman	atrazine + dicamba	–	Sandoz
Moxynil	bromoxynil	–	Riverside/Terra
Option II	fenoxaprop	–	AgrEvo
Permit	halosulfuron	MON12037	Monsanto
Pinnacle	thifensulfuron	DPX-M6316	Dupont
Poast	sethoxydim	–	BASF
Poast Plus	sethoxydim + Dash	–	BASF
Preview	chlorimuron + metribuzin	–	Dupont
Prowl	pendimethalin	–	Am Cyanamid
Pursuit	imazethapyr	–	Am Cyanamid
Pursuit/Atrazine	imazethapyr + atrazine	–	Am Cyanamid
Pursuit Plus	imazeth. + pendimethalin	–	Am Cyanamid
Raptor	–	AC299,263	Am Cyanamid
Reflex	fomesafen	–	Zeneca
Resolve	imazethapyr + dicamba	–	Am Cyanamid
Resource	flumiclorac	V-23031	Valent
Resource II	flumiclorac	–	Valent
Roundup	glyphosate	–	Monsanto
Roundup Ultra	glyphosate + surfactant	–	Monsanto
Salute	trifl. + metribuzin	–	Bayer
Savage	2,4-D amine	–	United Ag. Prod.
Scepter	imazaquin	–	Am Cyanamid
Scorpion III	flumets. + clopyr. + 2,4-D	NAF-73	DowElanco
Select	clethodim	–	Valent
Sencor	metribuzin	–	Bayer
Shotgun	atrazine + 2,4-D amine	–	United Ag. Prod.

-continued-

APPENDIX A (Cont'd)

HERBICIDES EVALUATED IN 1996

TRADE NAME	COMMON NAME	EXP. #	COMPANY
Squadron	pendim. + imazaquin	--	Am Cyanamid
Status	acifluorfen	--	Am Cyanamid
Stellar	flumiclorac + lactofen	--	Valent
Stinger	clopyralid	--	DowElanco
Storm	bentazon + acifluorfen	--	BASF
Surpass	acetochlor + dcmd	--	Zeneca
Surpass100	acetochlor/dcmd + atrazine	--	Zeneca
Synchrony STS	chlorimuron + thifensulf.	DPX-KU253-12	Dupont
Topnotch	acetochlor(encaps) + dcmd	ICIA5676	Zeneca
Tornado	fomesafen + fluazi./fenox.	--	Zeneca
Touchdown	sulfosate	--	Zeneca
Tough	pyridate	--	Sandoz
Treflan	trifluralin	--	DowElanco
Turbo	metol. + metribuzin	--	Bayer
Twister	fluaz./fenox. + fomesafen	--	Zeneca
--	2,4-D	--	Rhone-Poulenc
--	insecticide	AC513,918	Am Cyanamid
--	--	AC513,996	Am Cyanamid
--	BAS 514	--	BASF
--	--	F8426	FMC
--	dicamba	SAN-821H	Sandoz
--	--	SAN-1269H	Sandoz
--	--	SAN-1412H	Sandoz

APPENDIX B

ADDITIVES EVALUATED IN 1996

ADDITIVE	CLASSIFICATION	COMPANY
Activate Plus	surfactant	Riverside/Terra
Activator 90	surfactant	United Suppliers
Actimaster	nitrogen additive	United Ag. Prod.
Chem Surf	nitrogen additive	United Suppliers
Chem Surf 90	nitrogen additive	United Suppliers
COC (Prime Oil)	petroleum crop oil concentrate	Terra
COC Premium	oil additive	United Suppliers
Crop Oil Plus	oil additive	Wilfarm
Dash HC	oil + surfactant	BASF
Dyne-Amic	surfactant	United Suppliers
Eth-N-ate	surfactant	Wilfarm
Eth-N-gard	surfactant	Wilfarm
Hasten	surfactant	Wilfarm
HM9207A	surfactant	Wilfarm
HM9315	surfactant	Wilfarm
HM9327	surfactant	Wilfarm
HM9327A	surfactant	Wilfarm
HM9331	surfactant	Wilfarm
HM9331A	surfactant	Wilfarm
HM9417	surfactant	Wilfarm
HM9537A	surfactant	Wilfarm
HM9626	surfactant	Wilfarm
HM9627	surfactant	Wilfarm
HM9628	surfactant	Wilfarm
HM9629	surfactant	Wilfarm
HM9633	surfactant	Wilfarm
Induce	surfactant	United Suppliers
Kinetic	surfactant	Helena
Li 700	surfactant	United Ag. Prod.
Meth-Oil	methylated seed oil + surfactant	Terra
Methyl-N	surfactant	United Suppliers
MSO	methylated seed oil + surfactant	United Ag. Prod.
Nutrition Plus	nitrogen additive	Wilbur-Ellis
Optima	surfactant	United Suppliers
Persist	surfactant	Precision Labs
Persist LWV	surfactant	Precision Labs
Persist RTS	surfactant	Precision Labs
P-28	nitrogen additive	Precision Labs
Pen-A-trate II	surfactant	Precision Labs
Prime Oil	petroleum crop oil concentrate	Terra

-continued-

APPENDIX B (Cont'd)

ADDITIVES EVALUATED IN 1996

ADDITIVE	CLASSIFICATION	COMPANY
PXC050	oil additive	Precision Labs
PX-3096B	oil additive	Precision Labs
PX-6528	oil additive	Precision Labs
PX-764	oil additive	Precision Labs
Quest	surfactant	Helena
R-11	surfactant	Wilbur-Ellis
Rivet	surfactant	Terra
Silken	surfactant	Terra
Succeed	surfactant	United Suppliers
Sunit II	methylated seed oil + surfactant	American Cyanamid
Sylgard 309	surfactant	Wilbur-Ellis
TRA0051	surfactant	Terra
21% Ammonium sulfate	nitrogen additive	several
28% N	fluid fertilizer	several
Vigor	oil additive	Precision Labs
W3955	surfactant	Wilfarm
W4963	surfactant	Wilfarm
W4964	surfactant	Wilfarm
W4965	surfactant	Wilfarm
W4969	surfactant	Wilfarm
W9361	surfactant	Wilfarm

APPENDIX C

HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Accent	12,32,43,48,56,81,90,94,100,104,108,242,259,282,285, 290,369,372,385,420,423
Action	27,73,160,235,275,397
Assure II	148,164,169,195,203,217,231,329,332,335,340,342,353, 367,397,407
Atrazine	1,7,16,23,27,32,39,43,56,68,73,76,84,90,96,100,108,245, 248,253,256,259,266,270,282,290,359,369,376,380,385, 388,423
Authority	110,131,135,184,195,199,203,207,297,308,311,314,322, 393,412
Axiom	1,12,23,27,87,135,138,160,242,245,259,266,280,314,356, 362,423
Banvel	4,7,27,32,43,68,73,76,104,108,122,259,270,282,293,359, 369,380,385
Basagran	63,76,148,164,223,228,233,305,338
Basis	32,43,108,282,420,423
Battalion	169
Beacon	32,359,369,385,420,423
Bicep II	1,7,16,23,27,32,39,48,84,100,245,248,253,256,259,266, 285,376
Blazer	141,148,153,160,184,311,317,412,415
Broadstrike + Dual	1,23,27,110,131,135,245,259,297,308,314,359,369,420
Broadstrike + Treflan	131,308
Broadstrike Plus	1,23,27,48,68,90,245,259,266,270,285,290,420
Buctril Gel	27,32,43,56,68,76,90,100,104,108,259,270,282,290,380, 388
Buctril + Atrazine	27,32,43,56,63,68,259,270,282

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HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Canopy	110,116,119,125,131,135,138,184,188,207,297,302,308, 311,314,322,367,412
Clarity	23,27,32,43,48,63,68,90,96,100,259,270,275,285,290, 359,369,385,388,423
Classic	110,125,135,138,160,169,184,188,195,199,203,212,223, 228,297,311,314,353,393,407,412
Cobra	138,153,160,169,176,179,190,223,228,345,353,407,410
Command	110,135,195,199,203,293,297,314,380
Commence	131,308
Concert	148,164,169,195,199,203,217,329,332,335,342,353,367, 407
Contour	104
CY-PRO	23
Detail	393
Doubleplay	23,266,372,374
Dual II	1,12,16,23,27,32,39,48,56,84,87,100,108,110,135,138, 141,160,184,188,238,210,242,245,248,253,256,259,266, 280,282,285,293,297,311,314,317,356,362,367,376,397, 412,415,423
Dual II Magnum	12,23,87,242,266,280
Exceed	23,27,32,43,68,76,81,90,259,270,290,388,420
Expert	160,164,207,235,322,342,397
Extrazine II	1,23,43,48,245,259,285,380
Firstrate	110,131,135,141,160,195,199,203,207,297,308,314,317, 322,329,332,335,345,415
Flexstar	148,164,212,342,356,367
Frontier	4,12,23,27,32,48,87,100,122,138,188,207,242,259,266, 280,285,322,356,362

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APPENDIX C (cont'd)

HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Fusilade DX	231,340,391
Fusion	119,148,164,231,302,305,340,342
Galaxy	110,131,135,148,153,164,169,192,195,199,203,212,217, 223,228,297,305,308,314,329,332,335,342,353,407
Gramoxone Extra	119,302
Guardsman	1,4,23,48,245,259,266,285
Harness, Harness Plus	27,32,48,87,96,104,259,266,280,285
Harness Extra	1,23,27,32,96,104,245,259
Laddok S12	32,48,56,63,68,76,90,259,270,290,380,388,423
Lasso Micro-Tech	128,138,207,238,240,322,367,369,372
Liberty	100,192
Lightning	104
Lorox	364,367
Marksman	1,23,27,32,48,56,63,68,73,90,245,259,270,275,285,290, 359,369,380,385,388,423
Permit	27,32,48,68,90,96,259,270,285,290,359,369,388,420
Pinnacle	148,160,164,169,184,192,195,199,203,212,217,223,228, 233,235,305,311,329,332,335,338,342,353,397,407,412
Poast	12,48,56,90,148,192,195,199,203,285,290,305,329,332, 335,
Poast Plus	56,63,81,110,128,135,148,153,169,217,233,297,314,338, 353,380,407,423
Prowl	43,104,110,116,131,135,138,160,169,184,192,195,199, 203,207,217,293,297,308,311,314,322,329,332,335,353, 356,362,364,391,393,397,407,412,423

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APPENDIX C (cont'd)

HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Pursuit	32,131,135,148,153,160,164,169,176,179,184,190,192, 195,199,203,207,212,217,223,228,231,235,293,308,311, 322,329,332,335,340,342,345,353,356,359,362,364, 369,372, 391,397,407,412
Pursuit Plus	110,131,135,184,297,308,311,314,364,393,412
Raptor	110,164,169,217,231,297,340,342,348,353,364,407
Reflex	164,212,342
Resolve	104,359,369
Resource	32,43,73,76,90,148,179,212,235,259,275,290,305,385
Resource II	235,385
Roundup	4,7,125,195,199,203,207,293,322,329,332,335,367
Roundup Ultra	96,116,119,122,302,393
Scepter	110,125,131,188,223,231,297,308,340,364,393
Scorpion III	27,32,43,63,68,90,259,270,290,359,369,420
Select	116,119,125,141,148,153,176,212,228,231,302,317,340, 410,415
Sencor	1,27,63,68,76,110,116,119,125,131,135,138,141,160,188, 192,245,259,270,297,302,308,314,317,356,362,367,380, 388,393,415
Squadron	356,362,393
Status	217,353,364,407
Steel	110,131,297,308,364,393
Stellar	179,223
Storm	148,212,305
Surpass	23,27,39,48,56,104,238,240,256,266,285,376,380

-continued-

APPENDIX C (cont'd)

HERBICIDE LOCATER INDEX

TRADE NAME	PAGE OF STUDY
Surpass100	1,23,48,104,245,259,266,285
Synchrony STS	169,176,179,184,190,311,410,412
Topnotch	1,12,16,84,87,242,245,248,253,266,280,374
Touchdown	119,302
Tough	27,63,68,259,270,359,369,380
Treflan	131,141,195,199,203,308,317,329,332,335,397,415
Turbo	356,362,397
Twister	164,342
2,4-D	4,7,27,32,56,63,68,73,116,119,122,125,259,270,293,302, 380,385,388
DPX-79406	7,43,108,282
EXP31130A	16,39,84,248,253,256,376
F8426	73,275
GX413	23
GX414	23
ICIA 5676/Atrazine	1,245,266
MON8435	96
MON58420	96
Moxynil	27,43
Moxynil/Atrazine	27,43
San 1269H	27,68,259,270
San 1412	4,122
V 53482	125,188

APPENDIX D

ADDITIVE LOCATER INDEX

ADDITIVE	PAGE OF STUDY
Activate Plus	7,12,27,32,43,48,56,68,73,76,90,100,104,108,116,119, 125,141,148,160,164,169,184,207,217,235,242,259,270, 275,282,290,293,302,311,317,342,345,359,367,369,388, 397,412,415,420,423
Activator 90	195,199,203,322,329,332,335
Al-2857	94
At Plus S-12	94
At Plus S-14	94
At Plus 411	94
At Plus 467	94
COC (Prime Oil)	7,23,27,32,43,48,56,68,73,76,90,108,110,116,125,128, 131,135,141,148,153,160,164,169,176,179,184,190,192, 195,199,203,212,223,228,231,235,259,270,275,282,285, 290,293,297,302,305,308,311,314,317,329,332,335,340, 348,353,359,367,369,372,380,385,391,407,410,415
Counter	420
ETH-N-ATE	164
ETH-N-GARD	164
HASTEN	164
Hm 8802-A	81
Hm 9327	81
Meth-Oil	342
MSO	164,190,212,356,367
Persist	348
Persist LWV	348

-continued-

APPENDIX D

ADDITIVE LOCATER INDEX

ADDITIVE	PAGE OF STUDY
Persist RTS	348
PX 3096	348
Sunit II	104,110,131,135,148,153,160,169,184,192,195,199,203, 217,293,297,308,311,314,329,332,335,345,348,356,362, 364,372,391,412
Sylgard 309	164,169
21% Ammon.sulfate	100,116,119,192,302
28% N	7,23,27,32,43,56,63,68,81,100,104,108,110,116,128,131, 135,141,148,153,160,164,169,179,184,190,195,199,203, 207,212,217,223,228,233,235,259,266,270,275,282,293, 297,305,308,311,314,317,322,329,332,335,338,342,345, 350,353,356,359,362,364,367,369,372,380,385,391,397, 407,412,415,420,423

APPENDIX E

CORN HERBICIDE PREMIXES

HERBICIDE	COMPONENTS	RATIO
Basis 75DF	Rimsulfuron+thifensulfuron	2:1
Basis Gold 89.5DF	Rimsulfuron+thifensulfuron+Atrazine	1:1:65
Bicep II 5.9L	Metolachlor/safener+ Atrazine	5:4
Bicep Lite II 4.9L	Metolachlor/safener + Atrazine	2:1
Broadstrike + Dual 7.67E	Metolachlor + Flumetsulam	37.4:1
Broadstrike Plus 85.6WG	Clopyralid + Flumetsulam	2.7:1
Bronco 3.64E	Alachlor + Glyphosate	5:2
Buctril/Atrazine 3L	Bromoxynil + Atrazine	1:2
Bullet 4ME	Alachlor + Atrazine	5:3
Contour 3.38L	Imazethapyr + Atrazine	1:8
Doubleplay 7L	EPTC + Acetochlor	4:3
Extrazine II 90DF, 4L	Atrazine + Cyanazine	1:3
Guardsman 5L	Dimethenamid + Atrazine	7:8
Harness Extra 6L	Acetochlor/safener + Atrazine	1.2:1
Laddok 3.3L	Bentazon + Atrazine	1:1
Lariat 4L	Alachlor + Atrazine	5:3
Lightning 70DG	Imazethapyr+Imazapyr	3:1
Marksman 3.2L	Dicamba + Atrazine	1.1:2.1
Resolve SG	Imazethapyr + Dicamba	1:3
Scorpion III 84.3WG	2,4-D+Clopyralid+Flumetsulam	5.4:2.7:1
Surpass 100 5L	Acetochlor + Atrazine	7.5:6

SOYBEAN HERBICIDE PREMIXES

HERBICIDE	COMPONENTS	RATIO
Broadstrike + Treflan 3.65E	Flumetsulam + Trifluralin	1:13.6
Canopy 75DF	Chlorimuron + Metribuzin	1:6
Commence 5.25E	Clomazone + Trifluralin	3:4
Concert 25DF	Chlorimuron + Thifensulfuron	1:1
Detail 4.1E	Imazaquin+Dimethenamid	1:7
Freedom 3E	Alachlor + Trifluralin	8:1
Fusion 2.67E	Fluazifop + Fenoxaprop	3:1
Galaxy 3.67S	Bentazon + Acifluorfen	9:2
Lorox Plus 60DG	Linuron + Chlorimuron	18.4:1
Passport 2.6E	Imazethapyr + Trifluralin	1:12
Preview 75DF	Chlorimuron + Metribuzin	1:10
Pursuit Plus 2.9E	Imazethapyr + Pendimethalin	1:13.5
Scepter O.T. 2.5E	Imazaquin + Acifluorfen	1:4
Squadron 2.33E	Imazaquin + Pendimethalin	1:6
Steel CP	Pendimethalin+Imazethapyr+Imazaquin	13.3:1:1
Stellar 3.1E	Lactofen + Flumiclorac	12:3.5
Storm 4S	Bentazon + Acifluorfen	2:1
Synchrony STS 42DF	Chlorimuron + Thifensulfuron	10:3.2
Tornado 1.75E	Fluazifop + Fomesafen	3.75:5
Tri-Scept 3E	Imazaquin + Trifluralin	1:6
Turbo 8E	Metolachlor + Metribuzin	9:2

APPENDIX F

INDEX OF WEED SPECIES REPORTED

ABBREVIATION	COMMON NAME	SCIENTIFIC NAME
ABUTH	Velvetleaf	Abutilon theophrasti
AMACH	Smooth Pigweed	Amaranthus hybridus
AMARE	Redroot Pigweed	Amaranthus retroflexus
AMATA	Common Waterhemp	Amaranthus rudis
AMATU	Tall Waterhemp	Amaranthus tuberculatus
AMBEL	Common Ragweed	Ambrosia artemisiifolia
AMBTR	Giant Ragweed	Ambrosia trifida
CCHPA	Longspine Sandbur	Cenchrus longispinus
CHEAL	Common Lambsquarters	Chenopodium album
DATST	Jimsonweed	Datura stramonium
DIGSA	Large Crabgrass	Digitaria sanguinalis
ERBVI	Woolly Cupgrass	Eriochloa villosa
ERICA	Horseweed	Conyza canadensis
IPOHE	Ivyleaf Morningglory	Ipomoea hederacea
HIBTR	Venice Mallow	Hibiscus trionum
MOLVE	Carpetweed	Mollugo verticillata
PHBPU	Tall Morningglory	Ipomoea purpurea
POLCO	Wild Buckwheat	Polygonum convolvulus
POLPY	Pennsylvania Smartweed	Polygonum pensylvanicum
SETFA	Giant Foxtail	Setaria faberi
SRTRE	Trailing Wildbean	Strophostyles helvola
STEME	Common Chickweed	Stellaria media
TAROF	Dandelion	Taraxacum officinale
TRBTE	Puncturevine	Tribulis terrestris
XANST	Common Cocklebur	Xanthium strumarium

APPENDIX G (DECODING)

* APPLICATION EQUIPMENT
BAC = BACKPACK SPRAYER

* APPLICATION METHOD
SP = SPRAY

* APPLICATION PLACE
BC = BROADCAST

* APPLICATION TYPE
L = LIQUID MIXTURE TO SPRAY

* CONCENTRATION UNITS
LG = POUNDS PER GALLON
NA = NOT APPLICABLE
PC = PERCENT

* CULT CODE
FG = FIELD GROWN

* DILUENT
WAT = WATER

* EVALUATION METHOD
% = PERCENT (0-99% SCALE)

* EVALUATION SYMPTOM
CON = CONTROL/KILL
PHY = PHYTOTOXICITY

* FORMULATION TYPES

CS	= CAPSULE SUSPENSION	OF	= OIL MISCIBLE FLOWABLE
DF	= DRY FLOWABLE	OL	= OIL MISCIBLE LIQUID
DG	= DISPERSIBLE GRANULE	SC	= SUSPENSION CONCENTRATE
EC	= EMULSIFIABLE CONCENTRATE	SL	= SOLUBLE CONCENTRATE
GR	= GRANULE	WG	= WATER DISPERSIBLE GRANULE
L	= LIQUID	WP	= WETTABLE POWDER
NA	= NOT APPLICABLE	XX	= OTHER

* INCORPORATION EQUIPMENT
CFD = FAST FINISH FIELD CULTIVATOR

* LEAF MOISTURE
D = DRY
W = WET
NA = NOT APPLICABLE

* NOZZLE
FF = FLATFAN
8002 FF = POST
8003 FF = PRE, PPI
80015 FF = 10 G.P.A.

* POPULATION DESCRIPTI
IND = INDIVIDUALS (PLANTS)

-continued-

APPENDIX G (cont'd)

* POPULATION GENERAL
H = HIGH M = MEDIUM L = LOW A = ACRE

* PROPELLANT
CO2 = COMPRESSED CO2

* RATE UNIT CODES

GAA	= GRAMS ACTIVE/ACRE	NA	= NOT APPLICABLE
LAA	= POUNDS ACTIVE/ACRE	PMG	= % MATERIAL WEIGHT/VOL
OAA	= OZ (DRY) ACTIVE/ACRE	PMV	= % MATERIAL VOL/VOL
OMF	= OZ MAT'L/1000 FOOT ROW	PMW	= % MATERIAL WT/WT

* ROOT MOISTURE
D = DRY M = MOIST W = WET

* SKY CONDITION
C = CLOUDY P = PARTLY CLOUDY S = CLEAR

* SOIL TEXTURE
SIL = SILT LOAM SIX = SILTY CLAY LOAM S = SAND CL = CLAY LOAM

* SPECIES TYPE
P = PLANTS (CROPS AND WEEDS)

* TARGET
C = CROP P = PEST

* TIMING CODES

01	= FALL APPLIED	09	= PREEMERGENCE
02	= EARLY PREPLANT 60 DAYS BEFORE PLANTING	10	= VERY EARLY POSTEMER.
03	= EARLY PREPLANT 45 DAYS BEFORE PLANTING	11	= EARLY POSTEMERGENCE
04	= EARLY PREPLANT 30 DAYS BEFORE PLANTING	12	= POSTEMERGENCE
05	= EARLY PREPLANT 15 DAYS BEFORE PLANTING	13	= LATE POSTEMERGENCE
06	= EARLY PREPLANT 7 DAYS BEFORE PLANTING	14	= VERY LATE POSTEMERG.
07	= PREPLANT INCORPORATED	15	= POST DIRECTED
08	= PREEMERGENCE DRILL & DRAG		

* WIND DIRECTION

E	= EAST	N	= NORTH	NE	= NORTHEAST
NW	= NORTHWEST	S	= SOUTH	SE	= SOUTHEAST
SW	= SOUTHWEST	W	= WEST		

APPENDIX H

PRECIPITATION SUMMARY FOR THE MONTH OF MARCH 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	—	—	—	—
2	—	—	—	—
3	—	—	0.01	—
4	—	—	—	—
5	0.16	0.20	0.94	0.68
6	0.04	—	0.03	0.05
7	—	—	—	—
8	—	—	—	—
9	—	—	—	—
10	—	—	—	—
11	—	—	0.01	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	—	—	—
16	—	—	—	—
17	—	0.04	—	0.01
18	—	—	—	—
19	0.03	0.01	—	0.15
20	0.03	—	—	—
21	—	—	—	—
22	—	—	—	—
23	0.17	—	—	0.02
24	0.50	0.65	0.46	0.12
25	0.03	0.04	0.02	0.01
26	—	—	—	—
27	—	—	—	—
28	0.01	—	—	0.15
29	—	—	0.01	—
30	—	—	—	1.00
31	1.61	0.04	—	—
TOTAL	**2.58**	**0.98**	**1.48**	**2.19**

APPENDIX H (cont'd)

PRECIPITATION SUMMARY FOR THE MONTH OF APRIL 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	—	—	—	—
2	—	—	—	—
3	—	—	—	—
4	—	—	—	0.02
5	—	—	—	—
6	—	—	—	—
7	—	0.01	—	—
8	—	—	—	—
9	—	—	—	—
10	—	—	0.01	—
11	—	—	—	—
12	0.36	—	—	—
13	0.07	—	—	0.03
14	—	0.25	0.71	—
15	0.14	0.52	0.30	0.30
16	—	—	—	—
17	—	—	—	—
18	—	0.40	0.18	0.08
19	0.51	—	—	0.45
20	—	—	—	—
21	0.04	0.03	0.13	0.25
22	1.99	0.20	0.13	0.98
23	0.41	—	—	—
24	—	—	—	—
25	—	0.05	—	0.08
26	—	—	—	—
27	—	—	—	—
28	2.62	—	0.14	1.21
29	0.31	0.46	0.15	0.18
30	—	0.03	—	—
TOTAL	**6.45**	**1.95**	**1.75**	**3.58**

APPENDIX H (cont'd)

PRECIPITATION SUMMARY FOR THE MONTH OF MAY 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.02	—	—	—
2	—	—	—	0.03
3	0.37	0.25	0.04	0.59
4	0.41	—	0.13	0.17
5	1.40	0.01	—	0.02
6	—	0.21	0.31	—
7	0.51	0.18	0.20	0.23
8	0.29	0.98	2.05	1.36
9	—	0.32	—	—
10	0.26	—	0.34	2.04
11	0.01	—	—	—
12	—	—	0.01	—
13	0.06	—	—	0.21
14	0.40	0.05	—	0.10
15	0.04	0.05	—	0.16
16	—	0.01	—	—
17	—	0.02	—	—
18	—	—	—	—
19	—	—	—	—
20	—	0.75	—	0.07
21	0.21	—	—	—
22	—	—	—	—
23	—	0.65	0.15	0.12
24	—	0.29	0.21	1.16
25	0.20	0.34	0.44	0.30
26	0.06	0.03	0.56	0.90
27	0.54	0.44	0.99	0.74
28	—	2.09	—	0.06
29	—	—	—	—
30	—	—	—	—
31	—	—	—	—
TOTAL	**4.78**	**6.70**	**5.43**	**8.26**

APPENDIX H (cont'd)

PRECIPITATION SUMMARY FOR THE MONTH OF JUNE 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.20	0.78	0.41	0.50
2	0.02	0.20	0.01	0.35
3	0.15	—	—	0.02
4	—	—	—	—
5	—	0.05	—	—
6	0.80	1.15	—	0.20
7	—	0.03	—	—
8	0.22	—	—	0.17
9	0.17	0.05	0.01	0.32
10	0.89	0.12	—	0.50
11	0.04	0.04	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	—	—	—
16	—	0.20	—	2.39
17	0.25	1.50	—	0.11
18	—	0.02	—	—
19	—	—	—	—
20	—	—	—	—
21	—	—	—	—
22	—	—	—	0.14
23	—	1.25	0.10	0.91
24	—	—	—	0.04
25	—	—	—	—
26	—	—	0.20	—
27	—	—	0.15	—
28	—	—	0.38	—
29	—	—	—	—
30	—	—	0.78	—
TOTAL	**2.74**	**5.39**	**2.04**	**5.65**

APPENDIX H (cont'd)

PRECIPITATION SUMMARY FOR THE MONTH OF JULY 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	0.90	—	—	—
2	—	0.13	0.65	—
3	—	—	—	—
4	—	—	—	—
5	—	—	—	—
6	—	—	0.62	—
7	—	—	—	—
8	—	—	0.05	—
9	—	—	—	0.02
10	—	—	0.22	—
11	—	—	0.51	—
12	—	0.02	0.73	—
13	—	—	0.08	—
14	0.23	0.01	0.96	0.36
15	—	0.02	0.54	—
16	—	—	0.06	0.06
17	—	3.00	0.54	—
18	—	4.01	0.03	—
19	0.09	—	—	—
20	0.28	—	0.62	—
21	0.06	0.12	1.21	1.62
22	—	0.02	0.09	—
23	—	0.02	—	0.14
24	—	0.50	0.48	0.34
25	—	—	0.59	—
26	—	0.01	—	—
27	—	0.31	0.57	—
28	0.10	0.07	0.55	0.66
29	—	0.03	—	—
30	—	0.18	0.64	0.12
31	—	—	—	—
TOTAL	**1.66**	**8.54**	**9.74**	**3.32**

APPENDIX H (cont'd)

PRECIPITATION SUMMARY FOR THE MONTH OF AUGUST 1996

DATE	BROWNSTOWN	DEKALB	KILBOURNE	URBANA
	precip (inches)	precip (inches)	precip (inches)	precip (inches)
1	—	—	—	—
2	—	—	—	—
3	—	—	0.30	—
4	—	—	—	—
5	0.01	1.45	—	—
6	—	0.90	—	—
7	—	—	—	—
8	0.01	—	—	—
9	—	—	—	—
10	—	—	—	—
11	—	—	—	—
12	—	0.01	—	—
13	—	—	—	—
14	—	—	0.20	—
15	0.01	—	—	—
16	—	—	0.53	—
17	—	—	1.46	0.53
18	0.09	0.21	1.34	0.40
19	—	0.04	—	—
20	—	—	—	—
21	0.16	—	0.31	—
22	—	0.84	0.49	—
23	0.18	—	—	0.16
24	0.01	—	0.48	—
25	—	—	0.49	—
26	0.16	0.03	—	0.25
27	—	—	—	0.08
28	—	—	0.53	—
29	—	—	—	—
30	—	—	0.50	—
31	0.01	—	0.52	—
TOTAL	**0.64**	**3.48**	**7.15**	**1.42**

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